



SAN FRANCISCO PLANNING DEPARTMENT

Executive Summary Planning Code Section 295

HEARING DATE: APRIL 21, 2011

Date: April 14, 2011
Case No.: **2011.0248K (Gene Friend Recreation Center)**
2010.0128K (36 – 38 Harriet Street)
Project Address: **Gene Friend Recreation Center:**
- (6th Street, between Folsom and Howard Streets)
36 – 38 Harriet Street
Zoning: Gene Friend Recreation Center:
- P (Public)
- SOMA Youth and Family Special Use District
- OS (Open Space) Height and Bulk District
36 – 38 Harriet Street:
- MUG (Mixed Use General)
- RED (Residential Enclave District)
- SOMA Youth and Family Special Use District
- 45-X Height and Bulk District
Block/Lot: Gene Friend Recreation Center:
- 3731/010, 011, 012, 111
36 – 38 Harriet Street:
- 3731/101, 102
Project Sponsor: Cara Houser
2116 Allston Way, Ste 1
Berkeley, CA 94704
Staff Contact: Diego R Sánchez – (415) 575-9082
diego.sanchez@sfgov.org
Recommendation: **Approval**

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

PROJECT DESCRIPTION

The proposal is to construct a four story, 45-foot tall 23 unit multifamily SRO building on an existing vacant lot. Proposed prefabrication and modular design of the development push the height of the four stories to 45 feet. As proposed, the project meets all Planning Code requirements including providing a code complying rear yard of 15 feet, dwelling unit exposure for all units, usable open space on a common deck and no off-street parking. The SRO units are proposed to be for sale and the development is not envisioned to be a residential hotel. The project is targeting LEED Platinum certification, the highest designation within the LEED Rating System for green building design and construction. The building would cast shadow on Gene Friend Recreation Center, a property under the jurisdiction of the Recreation and Park Department and therefore is subject to Planning Code Section 295. For the purposes of Planning Code Section 295, the height of building is considered to be 48 feet, a height measurement that includes the height of the parapets which are generally exempt from height considerations under the Planning

Code. Pursuant to criteria jointly adopted by the Planning Commission and the Recreation and Park Commission in 1989, this property was allocated no new allowed shadow. The project sponsor is therefore requesting that the Planning Commission and the Recreation and Park Commission act jointly to raise the allowable shadow limit for Gene Friend Recreation Center, find that the new shadow cast on Gene Friend Recreation Center would not be adverse to the use of the park, and allocate this shadow to the proposed project.

SITE DESCRIPTION AND PRESENT USE

The project site is located on the west side of Harriet Street, between Howard and Folsom Streets, Block 3731, Lots 101 and 102, within the MUG (Mixed Use General) and RED (Residential Enclave District) Zoning Districts, the SOMA Youth and Family Special Use District and the 45-X Height and Bulk District. The site is composed of two rectangular lots that combined measure 3,750 square feet and are currently used as a surface parking lot.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The site is located within the South of Market neighborhood, an area characterized by a mix of residential, light industrial and retail development. The area surrounding the project site is mixed in character, with residential and light industrial uses, along with public open space. Residential uses are generally three to four story multifamily buildings. The light industrial buildings are generally two stories in height.

The Gene Friend Recreation Center is located to the southeast of the project site, along Harriet Street. The park is approximately 44,335 square feet, and extends 300 feet from the middle of block south to Folsom Street. It occupies the southern half of the block bounded by Harriet Street, Folsom Street, Howard Street and 6th Street. At the northern and eastern end of the park is an approximately 15,000 square foot clubhouse used for meetings, basketball and other indoor recreation activities. The southern and western portions of the park are used for outdoor recreation and features an outdoor basketball court, a grass area and play structures.

ENVIRONMENTAL REVIEW

With the exception of hazards and hazardous materials, the Eastern Neighborhoods Rezoning and Area Plans Final EIR incorporated and adequately addressed all potential impacts of the proposed 36-38 Harriet Street project, and therefore, the 36-38 Harriet Street project received a Community Plan Exemption pursuant to Section 15183 of the CEQA Guidelines and Section 21083.3 of the California Public Resources Code. Because the project would have a significant peculiar impact related to hazards and hazardous materials, the Planning Department also prepared a Focused Initial Study/Final Mitigated Negative Declaration. There was no appeal filed on the Focused Initial Study/Final Mitigated Negative Declaration.

HEARING NOTIFICATION

Planning Code Section 295 does not specify notification procedures for the actions under consideration. Public notice was provided in the form of a hearing notice that was mailed on February 22, 2011 as a courtesy to owners and occupants of property within 150 feet of the project site. Notification in accordance with the Section 312 Neighborhood Notification requirement for the associated Building Permit Application (BPA No. 2010.06.29.5585) was sent on December 27, 2010 and expired on January 26, 2011. There were no requests for Discretionary Review filed during the required 30 day period.

PUBLIC COMMENT

- Planning Department Staff has received two telephone calls and one email regarding the proposed project. One telephone call requested further information and clarification regarding Planning Code Section 295 and its implementation. One telephone call expressed concern about the implementation of Section 295 as it pertains to the proposed project. The email requested the hearing be continued until May 2011.

ISSUES AND OTHER CONSIDERATIONS

- In 1989, the Planning Commission and the Recreation and Park Commission adopted standards and guidelines for allowing additional shadows on parks in the City. Small parks (less than two acres) or parks that were estimated to be shaded 20% or more of the time during the year were granted no new allowable shadows. The Gene Friend Recreation Center, then known as the South of Market Park, is included in that list of parks.
- Analysis of existing and proposed shadow loads on the Gene Friend Recreation Center conducted for the Proposed Project indicate that given existing shadow load, the Gene Friend Recreation Center is actually shaded less than 20% of the time during the year.
- The Gene Friend Recreation Center enjoys 164,997,014 theoretically available annual square-foot hours of sunlight.¹ Existing shadow load is estimated to be approximately 14% of the theoretically available annual square-foot hours of sunlight.
- As proposed, the Project would cast an additional 731,481 square-foot hours of shadow on the Gene Friend Recreation Center throughout the course of the year. This is approximately 0.44% of the theoretically available annual square-foot hours of sunlight. In relation to available sunlight, the proposed new shadow results in a 0.52% reduction, or approximately one half of one percent of available sunlight being lost as a result of the Proposed Project.
- Proposed new shadow would fall on the park during the late afternoon hours. This late afternoon shadow is greatest during the summer months, with the most shadow being cast at 7:30PM on August 2. The summer time shadow would fall onto the southern most areas of the park, including the play structures.
- On October 6, 2010, the Project was presented to the Historic Preservation Commission (HPC) and was found to be an acceptable addition to a potential historic district being surveyed in the South of Market neighborhood.
- The Project is targeting a LEED Platinum rating, the highest rating within the LEED rating system for green building design and construction.

¹ The theoretically available annual square-foot hours of sunlight figure does not account for existing shadow loads on the Gene Friend Recreation Center cast by existing structures in the area and assumes a circumstance where the park is surrounded by unimproved, flat land.

REQUIRED COMMISSION ACTION

In order for the project to proceed, the Planning Commission must, upon recommendation of the General Manager of the Recreation and Park Department and in consultation with the Recreation and Park Commission, adopt a resolution raising the absolute cumulative limit for additional shadow on the Gene Friend Recreation Center by 0.44% of the theoretically available annual square-foot hours of sunlight. The Planning Commission must also, upon recommendation of the General Manager of the Recreation and Park Department and in consultation with the Recreation and Park Commission, adopt a motion to find that the additional shadow cast by the project on Gene Friend Recreation Center would not be adverse to the use of the park, and to allocate the additional allowable shadow to the project.

BASIS FOR RECOMMENDATION

- The new shadow would be cast will be in the shape of a narrow polygon on a relatively small area of the outdoor areas of the Gene Friend Recreation Center.
- At its greatest extent at a single given time, only 8.4% of the total area of the Gene Friend Recreation Center, or 3,706 square feet of a total 44,337 square foot area, is covered by new shadow.
- The primary area for passive outdoor recreation, the grass area, is infrequently shadowed over a smaller area.
- The Proposed Project casts only an additional 0.08% increment of shadow on the Gene Friend Recreation Center compared to a 40 foot tall building not subject to Planning Code Section 295.
- Sculpting the building to avoid casting net new shadows on the park would require the elimination of the upper floor of the building, resulting in the significant loss of housing units in a development that seeks to achieve LEED Platinum certification, the highest standard in the LEED rating system for green building design and construction.

RECOMMENDATION: Approval
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Attachments:

Draft Resolution re: Case No. 2011.0248K
Draft Motion re: Case No. 2010.01284K
Shadow Memorandum
Block Book Map
Sanborn Map
Aerial Photograph
Zoning Map
Photographs
Elevations

Attachment Checklist

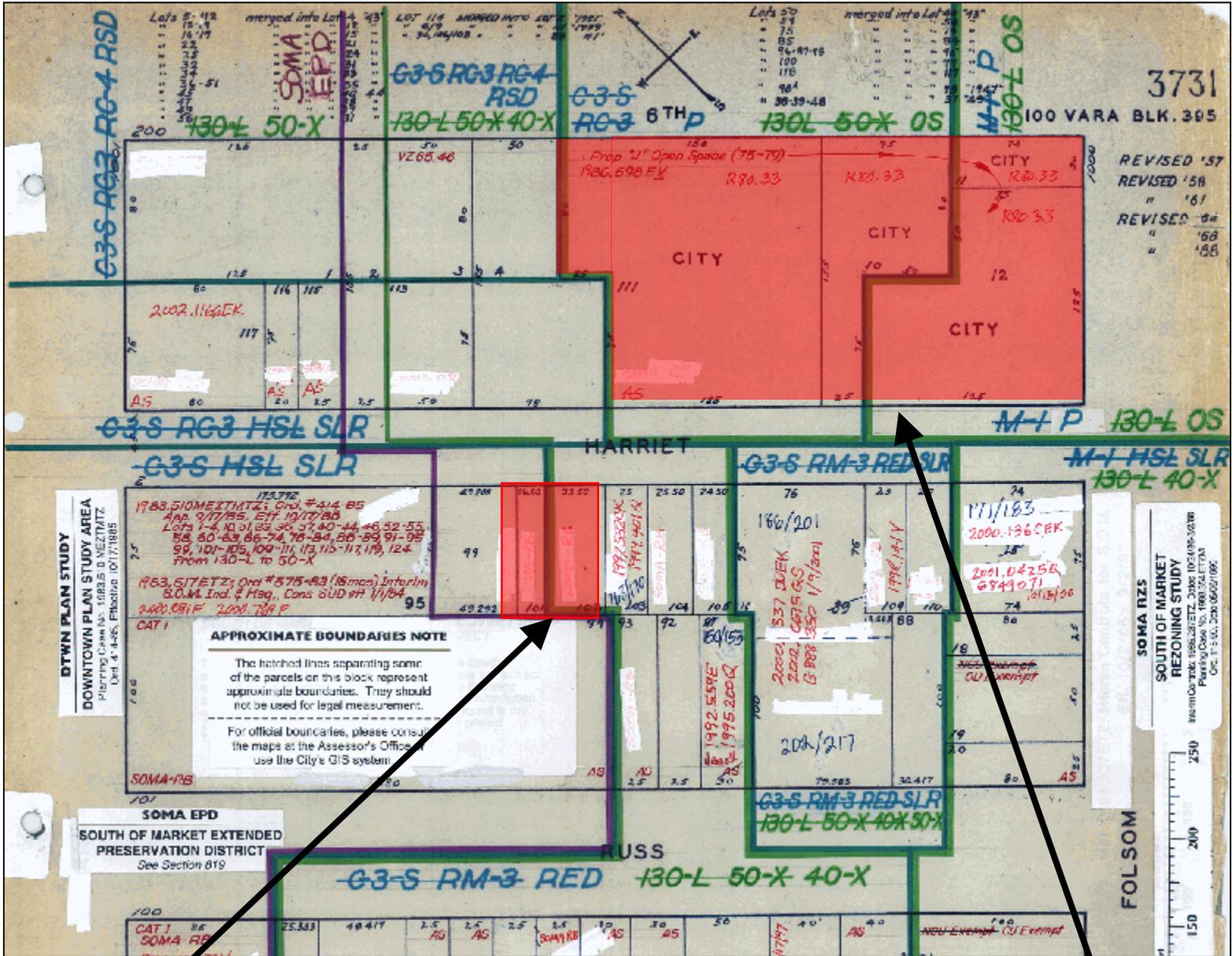
- | | |
|---|---|
| <input checked="" type="checkbox"/> Executive Summary | <input checked="" type="checkbox"/> Site Photos |
| <input checked="" type="checkbox"/> Draft Resolution | <input checked="" type="checkbox"/> Project sponsor submittal |
| <input checked="" type="checkbox"/> Draft Motion | Drawings: <u>Proposed Project</u> |
| <input checked="" type="checkbox"/> Environmental Determination | <input checked="" type="checkbox"/> Check for legibility |
| <input checked="" type="checkbox"/> Zoning District Map | |
| <input checked="" type="checkbox"/> Parcel Map | |
| <input checked="" type="checkbox"/> Sanborn Map | |
| <input checked="" type="checkbox"/> Aerial Photo | |
| <input checked="" type="checkbox"/> Context Photos | |

Exhibits above marked with an "X" are included in this packet

Planner's Initials

DRS: G:\DOCUMENTS\Shadow Study\38 Harriet\April 21 Hearing\2010.0128K 36 Harriet Exec Summary.doc

Block Book Map



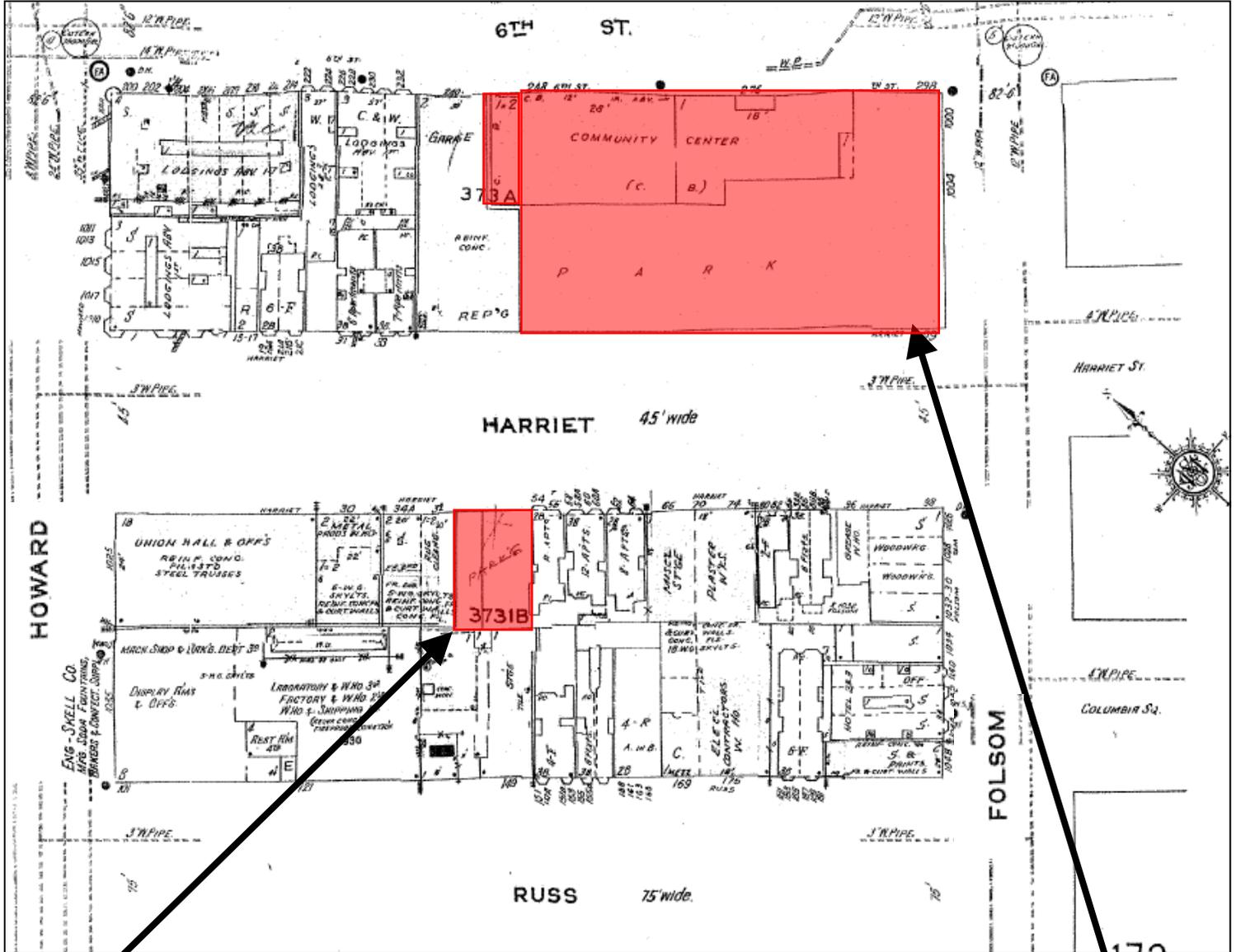
36-38 HARRIET ST

GENE FRIEND REC CENTER

Planning Code Section 295 / Prop K
 Case Number: 2011.0248K, 2010.0128K
 Gene Friend Recreation Center
 36 – 38 Harriet Street



Sanborn Map*



*The Sanborn Maps in San Francisco have not been updated since 1998, and this map may not accurately reflect existing conditions.

36-38 HARRIET ST

GENE FRIEND REC CENTER

Planning Code Section 295 / Prop K
 Case Number: 2011.0248K, 2010.0128K
 Gene Friend Recreation Center
 36 – 38 Harriet Street



Aerial Photo

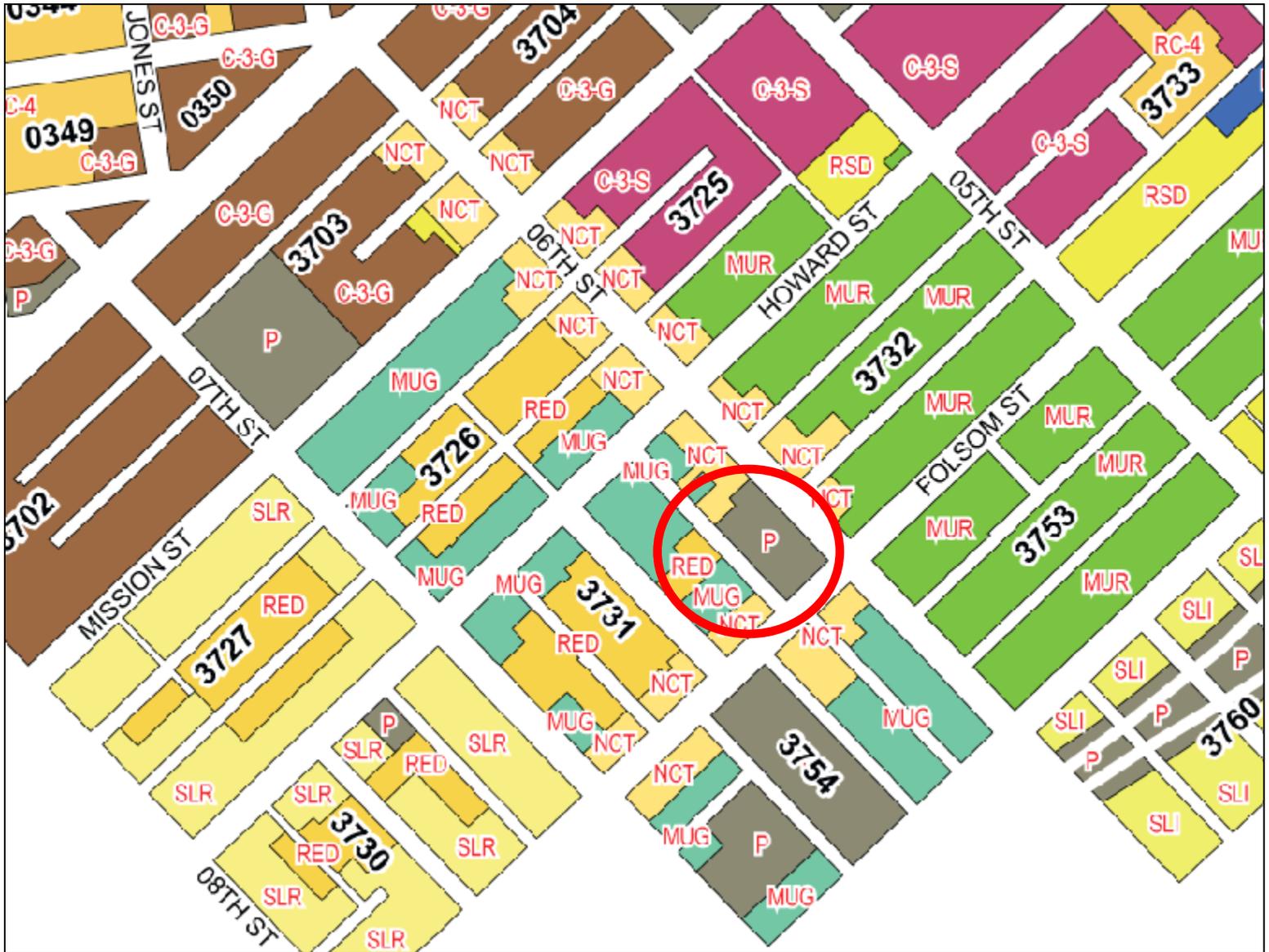


36-38 HARRIET ST

GENE FRIEND REC
CENTER



Zoning Map



Planning Code Section 295 / Prop K
Case Number: 2011.0248K, 2010.0128K
Gene Friend Recreation Center
36 – 38 Harriet Street

Site Photos



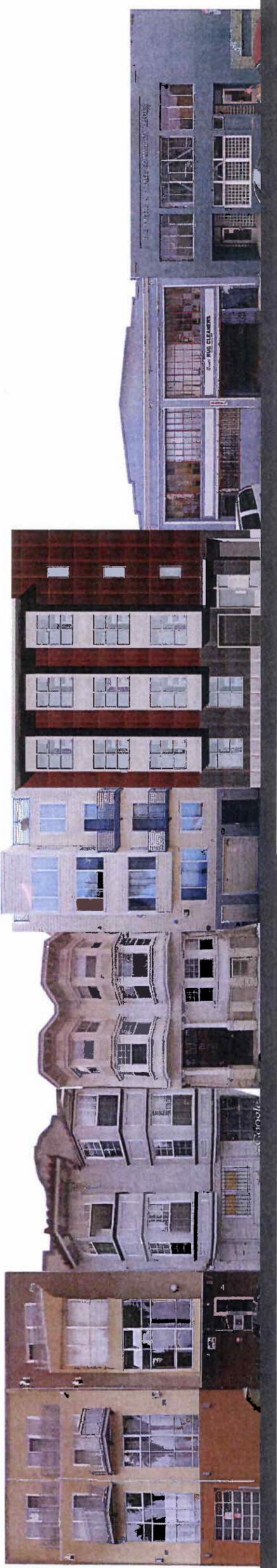
36 – 38 Harriet



Gene Friend Recreation Center

Planning Code Section 295 / Prop K
Case Number: 2011.0248K, 2010.0128K
Gene Friend Recreation Center
36 – 38 Harriet Street





42-48 Harriet St.



SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

- Affordable Housing (Sec. 415)
- Jobs Housing Linkage Program (Sec. 413)
- Downtown Park Fee (Sec. 412)
- First Source Hiring (Admin. Code)
- Child Care Requirement (Sec. 414)
- Other

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Planning Commission Resolution No. XXXXX

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Date: April 14, 2011

Case No.: **2011.0248K (Gene Friend Recreation Center)**
2010.0128K (36 – 38 Harriet Street)

Project Address: **Gene Friend Recreation Center:**
- (6th Street, between Folsom and Howard Streets)
36 – 38 Harriet Street

Zoning: Gene Friend Recreation Center:
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- SOMA Youth and Family Special Use District
- OS (Open Space) Height and Bulk District
36 – 38 Harriet Street
- MUG (Mixed Use General)
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Block/Lot: Gene Friend Recreation Center:
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36 – 38 Harriet Street:
- 3731/101, 102

Project Sponsor: Cara Houser
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Staff Contact: Diego R Sánchez – (415) 575-9082
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RESOLUTION TO RAISE THE ABSOLUTE CUMULATIVE SHADOW LIMIT ON THE GENE FRIEND RECREATION CENTER IN ORDER TO ALLOW THE PROPOSED PROJECT AT 36 - 38 HARRIET STREET, AMEND THE 1989 PROPOSITION K IMPLEMENTATION MEMORANDUM REGARDING PARKS LESS THAN TWO ACRES IN SIZE THAT ARE SHADOWED 20% OR MORE OF THE TIME DURING THE YEAR AND ADOPTING FINDINGS UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT.

RECITALS

1. On November 10, 2010 Preliminary Mitigated Negative Declaration (PMND) for the Project was prepared and published for public review; and
2. The PMND was available for public comment until November 30, 2010; and
3. On December 1, 2010, the Planning Department reviewed and considered the Final Mitigated Negative Declaration (FMND) and found that the contents of said report and the procedures through which the FMND was prepared, publicized, and reviewed complied with the California Environmental Quality Act (California Public Resources Code Sections 21000 et seq.) (CEQA), 14 California Code of Regulations Sections 15000 et seq. (the "CEQA Guidelines") and Chapter 31 of the San Francisco Administrative Code ("Chapter 31"): and
4. The Planning Department/Planning Commission found the FMND was adequate, accurate and objective, reflected the independent analysis and judgment of the Department of City Planning and the Planning Commission and approved the FMND for the Project in compliance with CEQA, the CEQA Guidelines and Chapter 31.
5. The Planning Department, Linda Avery, is the custodian of records, located in the File for Case No. 2010.0128E, at 1650 Mission Street, Fourth Floor, San Francisco, California.
6. Planning Department staff prepared a Mitigation Monitoring and Reporting program (MMRP), which material was made available to the public and this Commission for this Commission's review, consideration and action.
7. The people of the City and County of San Francisco, in June 1984, adopted an initiative ordinance, commonly known as Proposition K, codified as Section 295 of the Planning Code.
8. Section 295 requires that the Planning Commission disapprove any building permit application to construct a structure that will cast shadow on property under the jurisdiction of the Recreation and Park Department, unless it is determined that the shadow would not be significant or adverse. The Planning Commission and the Recreation and Park Commission must adopt criteria for the implementation of that ordinance.
9. Section 295 is implemented by analyzing park properties that could be shadowed by new construction, including the current patterns of use of such properties, how such properties might be used in the future, and assessing the amount of shadowing, its duration, times of day, and times of year of occurrence. The Commissions may also consider the overriding social or public benefits of a project casting shadow.
10. Pursuant to Planning Code Section 295, the Planning Commission and the Recreation and Park Commission, on February 7, 1989, adopted standards for allowing additional shadows on the

greater downtown parks (Resolution No. 11595). The quantitative standard that was established for the Gene Friend Recreation Center, at that time known as the South of Market Park, was zero percent or no net new shadow. This property is identified as a park less than two acres in size and shadowed 20% or more of the time during the year.

11. The Gene Friend Recreation Center is a park located in the South of Market neighborhood, with frontage on 6th, Folsom and Harriet Streets. The park measures 44,337 square feet and is situated in an area characterized by development at various scales. Improvements in the park include an approximately 15,000 square foot clubhouse, outdoor play structures, a grass area and an outdoor basketball court.

On an annual basis, the theoretically available annual square foot hours of sunlight available to the Gene Friend Recreation Center is approximately 164,997,014 square-foot-hours of sunlight if no structures were present. Existing structures in the area cast shadows on the Gene Friend Recreation Center estimated to equal approximately 14% of the theoretically available annual square foot hours of sunlight the Gene Friend Recreation Center currently enjoys, less than the 20% or more shadowing indicated in the 1989 Proposition K Implementation Memorandum. With respect to additional shadow, an absolute cumulative limit of zero percent was adopted, in 1989, for the Gene Friend Recreation Center (then known as the South of Market Park).

12. The Project, as proposed, will cast an additional 731,481 square-foot hours of shadow on the Gene Friend Recreation Center, equivalent to 0.44% of the theoretically available annual square foot-hours of sunlight on the Gene Friend Recreation Center. In relation to available sunlight, the proposed new shadow results in a 0.52% reduction, or approximately one half of one percent of available sunlight being lost as a result of the Proposed Project.
10. In order for the project to proceed, the Planning Commission must, upon recommendation of the General Manager of the Recreation and Park Department and in consultation with the Recreation and Park Commission, adopt a resolution raising the absolute cumulative limit for additional shadow on the Gene Friend Recreation Center by 0.44%.
11. The Planning Commission has reviewed and considered reports, studies, plans and other documents pertaining to the Project.
12. The Planning Commission has heard and considered the testimony presented at the public hearing and has further considered the written materials and oral testimony presented on behalf of the Project Sponsor, Department staff, and other interested parties.

Therefore, the Commission hereby resolves:

FINDINGS

Having reviewed the materials identified in the recitals above, and having heard all testimony and arguments, this Commission finds, concludes, and determines as follows:

1. The foregoing recitals are accurate, and also constitute findings of this Commission.

2. The additional shadow cast by the Project, while numerically significant, would not be adverse, and is not expected to interfere with the use of the Gene Friend Recreation Center, for the following reasons: (1) the new shadow cast, at its maximum, is a narrowly shaped polygon, and is cast on relatively small portions of the outdoor areas of the Gene Friend Recreation Center; (2) at its greatest extent, only 8.4% of the total area of the Gene Friend Recreation Center, or 3,706 square feet of a total 44,337 square feet area, is covered by new shadow; 3) the primary area for passive outdoor recreation, the grass area, is infrequently shadowed over a smaller area; (4) the additional increment of shadow cast on the Gene Friend Recreation Center by the Proposed Project, as a result of its height being measured at 48 feet for the purposes of Planning Code Section 295, in comparison to a building of 40 feet in height and not subject to Section 295 is 0.08%; and (5) sculpting the building to avoid casting net new shadows on the Gene Friend Recreation Center would require the elimination of the upper floor of the building, resulting in the loss of housing units in a development that seeks to achieve LEED Platinum certification, the highest standard in the LEED rating system for green building design and construction.
3. Planning Department staff and Recreation and Park Department staff recommended increasing the limit for additional shadow on the park from zero percent to 0.44% of the theoretically available annual square foot hours of sunlight, equivalent to 731,481 square-foot hours of shadow on the Gene Friend Recreation Center.
4. A determination by the Planning Commission and the Recreation and Park Commission to raise the absolute cumulative shadow limit for the park in an amount that would accommodate the additional shadow that would be cast by the Project does not constitute an approval of the Project.
5. The 1989 Proposition K Implementation Memorandum incorrectly identifies the Gene Friend Recreation Center as a park that is shadowed 20% or more of the time during the year.

DECISION

That based upon the Record, the submissions by the Applicant, the staff of the Planning Department, the recommendation of the General Manager of the Recreation and Park Department, in consultation with the Recreation and Park Commission, and other interested parties, the oral testimony presented to the Planning Commission at the public hearing, and all other written materials submitted by all parties, the Planning Commission hereby ADOPTS, under Shadow Analysis Application No. **2011.0248K**, the proposal to raise the absolute cumulative limit for additional shadow on the Gene Friend Recreation Center from zero percent to 0.44% of the theoretically available annual square foot hours of sunlight, and furthermore amends the Proposition K Implementation Memorandum that was adopted in 1989 (Resolution No. 11595) to 1) Remove the Gene Friend Recreation Center (then known as South of Market Park) from the list of parks less than two acres in size that are shadowed 20% or more of the time during the year, and; 2) State that all future projects that cast shadow on parks less than two acres in size that are shadowed less than 20% of the time during the year will be analyzed using the qualitative criteria identified in the Memorandum, and may be considered at separate hearings of the Recreation and Park Commission and the Planning Commission.

The Planning Commission has reviewed and considered the MND and the record as a whole and finds that there is no substantial evidence that the Project will have a significant effect on the environment with the adoption of the mitigation measures contained in the MMRP to avoid potentially significant environmental effects associated with the Project, and hereby adopts the FMND.

The Planning Commission hereby adopts the MMRP attached hereto as Exhibit C and incorporated herein as part of this Resolution by this reference thereto. All required mitigation measures identified in the MND and contained in the MMRP are included as conditions of approval.

I hereby certify that the foregoing Resolution was ADOPTED by the Planning Commission at its regular meeting on April 21, 2011.

Linda Avery
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: April 21, 2011

Exhibit A

Conditions of Approval

Whenever "Project Sponsor" is used in the following conditions, the conditions shall also bind any successor to the Project or other persons having an interest in the Project or underlying property.

General Conditions

1. The Planning Commission, upon recommendation of the General Manager of the Recreation and Park Department and in consultation with the Recreation and Park Commission, adopts Motion XXXX to find that the additional shadow cast by 36-38 Harriet, Lots 101 and 102 in Assessor's Block 3731, a new 4 story, 45 foot tall multifamily building containing 23 SRO units within the MUG (Mixed Use General) and RED (Residential-Enclave District) Zoning Districts, the SOMA Youth and Family Special Use District and the 45-X Height and Bulk District, on Gene Friend Recreation Center is equivalent to 0.44% of the theoretically available annual square foot hours of sunlight that the Gene Friend Recreation Center enjoys, would not be adverse to the use of the Gene Friend Recreation Center, and allocates the additional allowable shadow to the Project.

Mitigation Measures

2. Mitigation measures described in the MMRP attached as Exhibit C are necessary to avoid potential significant effects of the proposed project and have been agreed to by the project sponsor. Their implementation is a condition of project approval



SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Affordable Housing (Sec. 415) | <input checked="" type="checkbox"/> First Source Hiring (Admin. Code) |
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diego.sanchez@sfgov.org

ADOPTING FINDINGS, WITH THE RECOMMENDATION OF THE GENERAL MANAGER OF THE RECREATION AND PARK DEPARTMENT, IN CONSULTATION WITH THE RECREATION AND PARK COMMISSION, THAT NET NEW SHADOW ON THE GENE FRIEND RECREATION CENTER BY THE PROPOSED PROJECT AT 36 – 38 HARRIET STREET (ASSESSOR'S BLOCK 3731, LOTS 101 AND 102) WOULD NOT BE ADVERSE, AND ALLOCATE NET NEW SHADOW ON THE GENE FRIEND RECREATION CENTER TO THE PROPOSED PROJECT AND ADOPTING FINDINGS UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT.

RECITALS

1. On November 10, 2010 the Preliminary Mitigated Negative Declaration (PMND) for the Project was prepared and published for public review; and
2. The PMND was available for public comment until November 30, 2010; and
3. On December 1, 2010, the Planning Department reviewed and considered the Final Mitigated Negative Declaration (FMND) and found that the contents of said report and the procedures through which the FMND was prepared, publicized, and reviewed complied with the California Environmental Quality Act (California Public Resources Code Sections 21000 et seq.) (CEQA), 14 California Code of Regulations Sections 15000 et seq. (the "CEQA Guidelines") and Chapter 31 of the San Francisco Administrative Code ("Chapter 31"): and
4. The Planning Department/Planning Commission found the FMND was adequate, accurate and objective, reflected the independent analysis and judgment of the Department of City Planning and the Planning Commission and approved the FMND for the Project in compliance with CEQA, the CEQA Guidelines and Chapter 31.
5. The Planning Department, Linda Avery, is the custodian of records, located in the File for Case No. 2010.0128E, at 1650 Mission Street, Fourth Floor, San Francisco, California.
6. Planning Department staff prepared a Mitigation Monitoring and Reporting program (MMRP), which material was made available to the public and this Commission for this Commission's review, consideration and action.
7. Under Planning Code Section ("Section") 295, a building permit application for a project exceeding a height of 40 feet cannot be approved if there is any shadow impact on a property under the jurisdiction of the Recreation and Park Department, unless the Planning Commission, upon recommendation from the General Manager of the Recreation and Park Department, in consultation with the Recreation and Park Commission, makes a determination that the shadow impact will not be significant or adverse.
8. On February 7, 1989, the Recreation and Park Commission and the Planning Commission adopted criteria establishing absolute cumulative limits for additional shadows on fourteen parks throughout San Francisco (Planning Commission Resolution No. 11595).
9. The Gene Friend Recreation Center is a park located in the South of Market neighborhood, with frontage on 6th, Folsom and Harriet Streets. The park measures 44,337 square feet and is situated in an area characterized by development at various scales. Improvements in the park include an approximately 15,000 square foot clubhouse, outdoor play structures, a grass area and an outdoor basketball court.

On an annual basis, the theoretically available annual square foot hours of sunlight available to the Gene Friend Recreation Center is approximately 164,997,014 square-foot-hours of sunlight if

no structures were present. Existing structures in the area cast shadows on the Gene Friend Recreation Center estimated to equal approximately 14% of the theoretically available annual square foot hours of sunlight the Gene Friend Recreation Center currently enjoys. With respect to additional shadow, an absolute cumulative limit of zero percent was adopted, in 1989, for the Gene Friend Recreation Center (then known as the South of Market Park).

10. On March 15, 2010, Cara Houser applied for Shadow Analysis Application No. 2010.0128K on the property at 36 – 38 Harriet Street, Lots 101 and 102 in Assessor's Block 3731 for a project to construct a new 4 story, 45 foot tall multifamily building containing 23 SRO units within the MUG (Mixed Use General) and RED (Residential-Enclave District) Zoning Districts, the SOMA Youth and Family Special Use District and the 45-X Height and Bulk District (collectively, hereinafter, "Project").
11. The Project, as proposed, will cast additional 731,481 square-foot hours of shadow on the Gene Friend Recreation Center, equivalent to 0.44% of the theoretically available annual square foot hours of sunlight on the Gene Friend Recreation Center. In relation to available sunlight, the proposed new shadow results in a 0.52% reduction, or approximately one half of one percent of available sunlight being lost as a result of the Proposed Project.
12. The Planning Commission and the Recreation and Park Commission held a joint public hearing on April 21, 2011 to consider the recommendation to increase the absolute cumulative shadow limit for the Gene Friend Recreation Center from zero percent to percent to 0.44% of the theoretically available annual square foot hours of sunlight (Case No. 2011.0248K). The Planning Commission adopted Resolution No. XXXXX to raise the allowable shadow limit for the Gene Friend Recreation Center and to amend the 1989 Proposition K Implementation Memo regarding parks less than 2 acres in size that are shadowed 20% or more of the time during the year.
13. In order for the Project to proceed, the Planning Commission must, upon recommendation of the General Manager of the Recreation and Park Department and in consultation with the Recreation and Park Commission, adopt a motion to find that the additional shadow cast by the Project on Gene Friend Recreation Center would not be adverse to the use of the Gene Friend Recreation Center, and to allocate the additional allowable shadow to the Project.
14. The Planning Commission has reviewed and considered reports, studies, plans and other documents pertaining to the Project.
15. The Planning Commission has heard and considered the testimony presented at the public hearing and has further considered the written materials and oral testimony presented on behalf of the Project Sponsor, Department staff, and other interested parties.

FINDINGS

Having reviewed the materials identified in the recitals above, and having heard all testimony and arguments, this Commission finds, concludes, and determines as follows:

1. The foregoing recitals are accurate, and also constitute findings of this Commission.

2. The additional shadow cast by the Project, while numerically significant, would not be adverse, and is not expected to interfere with the use of the Gene Friend Recreation Center, for the following reasons: (1) the new shadow cast, at its maximum, is a narrowly shaped polygon, and is cast on relatively small portions of the outdoor areas of the Gene Friend Recreation Center; (2) at its greatest extent, only 8.4% of the total area of the Gene Friend Recreation Center, or 3,706 square feet of a total 44,337 square feet area, is covered by new shadow; 3) the primary area for passive outdoor recreation, the grass area, is infrequently shadowed over a smaller area; (4) the additional increment of shadow cast on the Gene Friend Recreation Center by the Proposed Project, as a result of its height being measured at 48 feet for the purposes of Planning Code Section 295, in comparison to a building of 40 feet in height and not subject to Section 295 is 0.08%; and (5) sculpting the building to avoid casting net new shadows on the Gene Friend Recreation Center would require the elimination of the upper floor of the building, resulting in the loss of housing units in a development that seeks to achieve LEED Platinum certification, the highest standard in the LEED rating system for green building design and construction.
3. Planning Department staff and the Recreation and Park Department staff recommended allocating to the Project up to 731,481 square-foot hours of shadow on the Gene Friend Recreation Center, equivalent to 0.44% of the theoretically available annual square foot hours of sunlight on the Gene Friend Recreation Center.
4. A determination by the Planning Commission and the Recreation and Park Commission to allocate net new shadow to the Project does not constitute an approval of the Project.

DECISION

That based upon the Record, the submissions by the Applicant, the staff of the Planning Department, the recommendation of the General Manager of the Recreation and Park Department, in consultation with the Recreation and Park Commission, and other interested parties, the oral testimony presented to the Planning Commission at the public hearing, and all other written materials submitted by all parties, the Planning Commission hereby DETERMINES, under Shadow Analysis Application No. **2010.0128K**, that the net new shadow cast by the Project on the Gene Friend Recreation Center will not be adverse, and ALLOCATES to the Project up to 731,481 square-foot hours of shadow on the Gene Friend Recreation Center.

The Planning Commission has reviewed and considered the MND and the record as a whole and finds that there is no substantial evidence that the Project will have a significant effect on the environment with the adoption of the mitigation measures contained in the MMRP to avoid potentially significant environmental effects associated with the Project, and hereby adopts the FMND.

The Planning Commission hereby adopts the MMRP attached hereto as Exhibit C and incorporated herein as part of this Motion by this reference thereto. All required mitigation measures identified in the MND and contained in the MMRP are included as conditions of approval.

I hereby certify that the foregoing Motion was ADOPTED by the Planning Commission at its regular meeting on April 21, 2011.

Linda Avery
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: April 21, 2011

Exhibit A

Conditions of Approval

Whenever “Project Sponsor” is used in the following conditions, the conditions shall also bind any successor to the Project or other persons having an interest in the Project or underlying property.

General Conditions

1. The Planning Commission, upon recommendation of the General Manager of the Recreation and Park Department and in consultation with the Recreation and Park Commission, adopts Motion XXXX to find that the additional shadow cast by 36-38 Harriet, Lots 101 and 102 in Assessor's Block 3731, a new 4 story, 45 foot tall multifamily building containing 23 SRO units within the MUG (Mixed Use General) and RED (Residential-Enclave District) Zoning Districts, the SOMA Youth and Family Special Use District and the 45-X Height and Bulk District, on Gene Friend Recreation Center is equivalent to 0.44% of the theoretically available annual square foot hours of sunlight that the Gene Friend Recreation Center enjoys, would not be adverse to the use of the Gene Friend Recreation Center, and allocates the additional allowable shadow to the Project.

Mitigation Measures

2. Mitigation measures described in the MMRP attached as Exhibit C are necessary to avoid potential significant effects of the proposed project and have been agreed to by the project sponsor. Their implementation is a condition of project approval



SAN FRANCISCO PLANNING DEPARTMENT

Mitigated Negative Declaration

PMND Date: November 10, 2010
Case No.: 2010.0128E
Project Address: 36-38 Harriet Street (formerly 42-48 Harriet Street)
BPA Nos.: 201006295585
Zoning: MUG (Mixed Use General); RED (Residential Enclave District);
 Youth and Family Zone Special Use District
 45-X Height and Bulk District
Block/Lot: Block 3731; Lots 101 and 102
Lot Size: 1,238 and 2,512 square feet, respectively
Project Sponsor: Cara Houser, Panoramic Interests, (510) 883-1000
Staff Contact: Don Lewis – (415) 575-9095, don.lewis@sfgov.org

1650 Mission St.
 Suite 400
 San Francisco,
 CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

**Planning
 Information:**
415.558.6377

PROJECT DESCRIPTION:

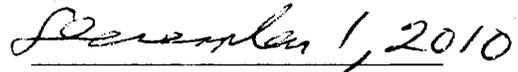
The project sponsor proposes to demolish a vacant surface parking lot and construct a new, 45-foot-tall, four-story, 11,775-square-foot residential building with 23 SRO (Single Room Occupancy) condominium units. Five of the SRO units would be at the ground-floor level while floors 2 through 4 would each have six SRO units. The project would not provide off-street parking. The 3,750-square-foot project site is located on the southwest side of Harriet Street between Folsom and Howard Streets within the South of Market (SOMA) neighborhood. The project site is also within the East SOMA subarea of the Eastern Neighborhoods Rezoning and Area Plan and within the proposed Western SOMA Light Industrial and Residential Historic District.

FINDING:

This project could not have a significant effect on the environment. This finding is based upon the criteria of the Guidelines of the State Secretary for Resources, Sections 15064 (Determining Significant Effect), 15065 (Mandatory Findings of Significance), and 15070 (Decision to prepare a Negative Declaration), and the following reasons as documented in the Initial Evaluation (Initial Study) for the project, which is attached. Mitigation measures are included in this project to avoid potentially significant effects. See pages 17-20.

In the independent judgment of the Planning Department, there is no substantial evidence that the project could have a significant effect on the environment.


 BILL WYCKO
 Environmental Review Officer


 Date of Adoption of Final Mitigated
 Negative Declaration

c: Cara Houser, Project Sponsor; Diego Sanchez, SE Quadrant; Supervisor Chris Daly, District 6; Bulletin Board; Master Decision File; Distribution List

Mitigated Negative Declaration
November 10, 2010

CASE NO. 2010.0128E
36-38 Harriet Street

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INITIAL STUDY
36-38 HARRIET STREET
PLANNING DEPARTMENT CASE NO. 2010.0128E

A. PROJECT DESCRIPTION

Project Location and Site Characteristics

The project site (Assessor's Block 3731, Lots 101 and 102) totals 3,750 square feet and is located at 36-38 Harriet Street on the southwest side of Harriet Street between Folsom and Howard Streets within the South of Market (SOMA) neighborhood where the topography is primarily flat with no noticeable slope (see Figure 1, Site Location).¹ The project site is currently occupied by a vacant surface parking lot, and no buildings or structures are located on the project site. The site is within the Mixed Use General (MUG) and Residential Enclave (RED) zoning district, the Youth and Family Zone Special Use District (SUD) and the 45-X height and bulk district. The project site is also within the East SOMA subarea of the Eastern Neighborhoods Rezoning and Area Plan, and the potential Western SOMA Light Industrial and Residential Historic District.

Proposed Project

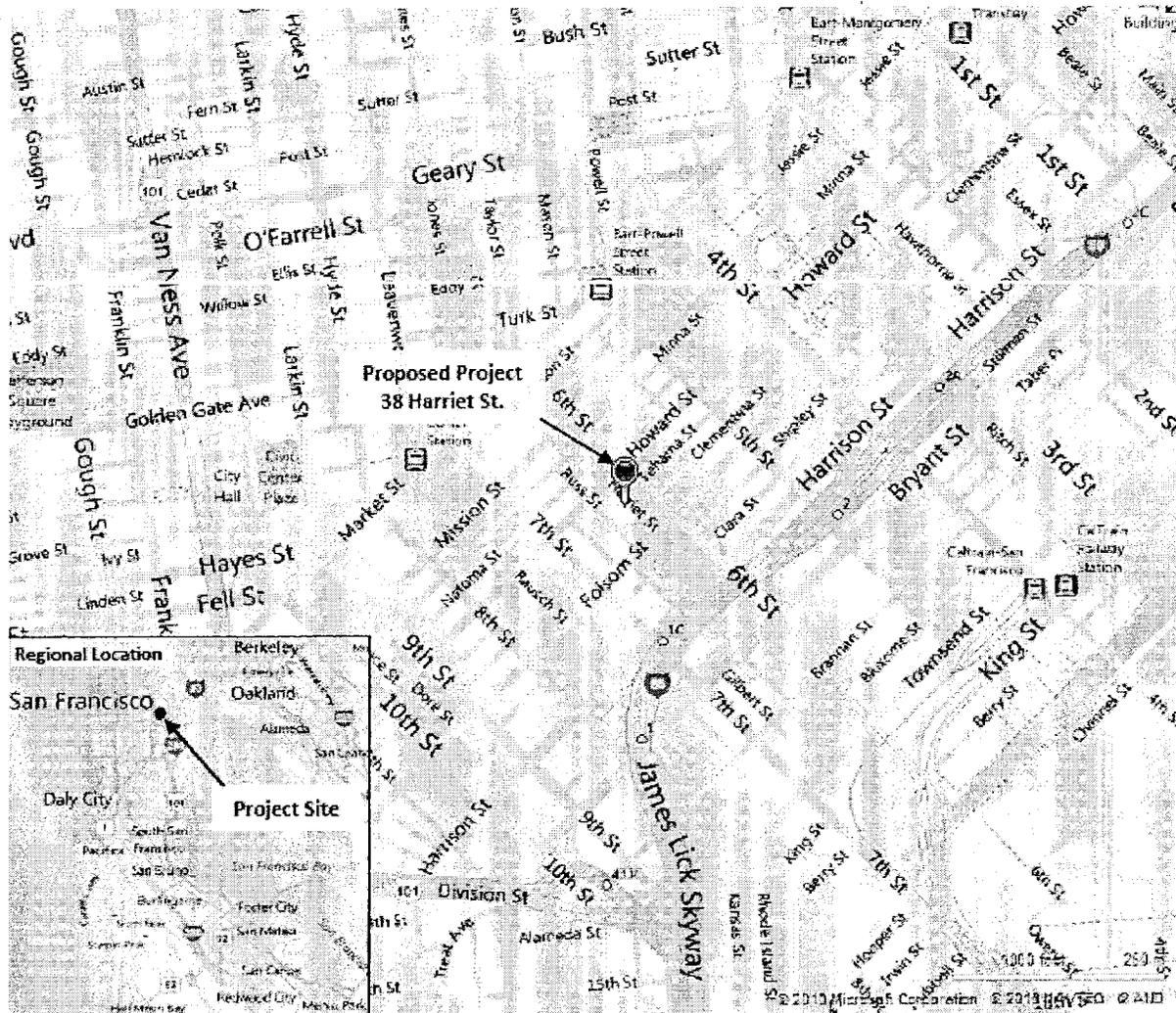
The project sponsor proposes to demolish a vacant surface parking lot and construct a new, 45-foot-tall, four-story, 11,775-square-foot residential building with 23 SRO (Single Room Occupancy) condominium units. Five of the SRO units would be at the ground-floor level while floors 2 through 4 would each have six SRO units (see Figures 2 – 7: Site Plan, Floor Plans, and Elevation). The project would not provide off-street parking. The project would provide 750 square feet of common usable open space in the rear yard. The project would provide five affordable housing units.

The proposed building would be modular and each unit would be prefabricated off-site. The building is then "assembled" on-site. This type of construction requires additional thickness of floor plates and this translates into additional height. The proposed building would use a Parklex rainscreen at the front façade, which is a "high-density stratified timber panel manufactured from kraft paper treated with resins thermoset under high pressure and temperature and finished with natural timber veneers." The project is aiming for LEED Platinum certification.

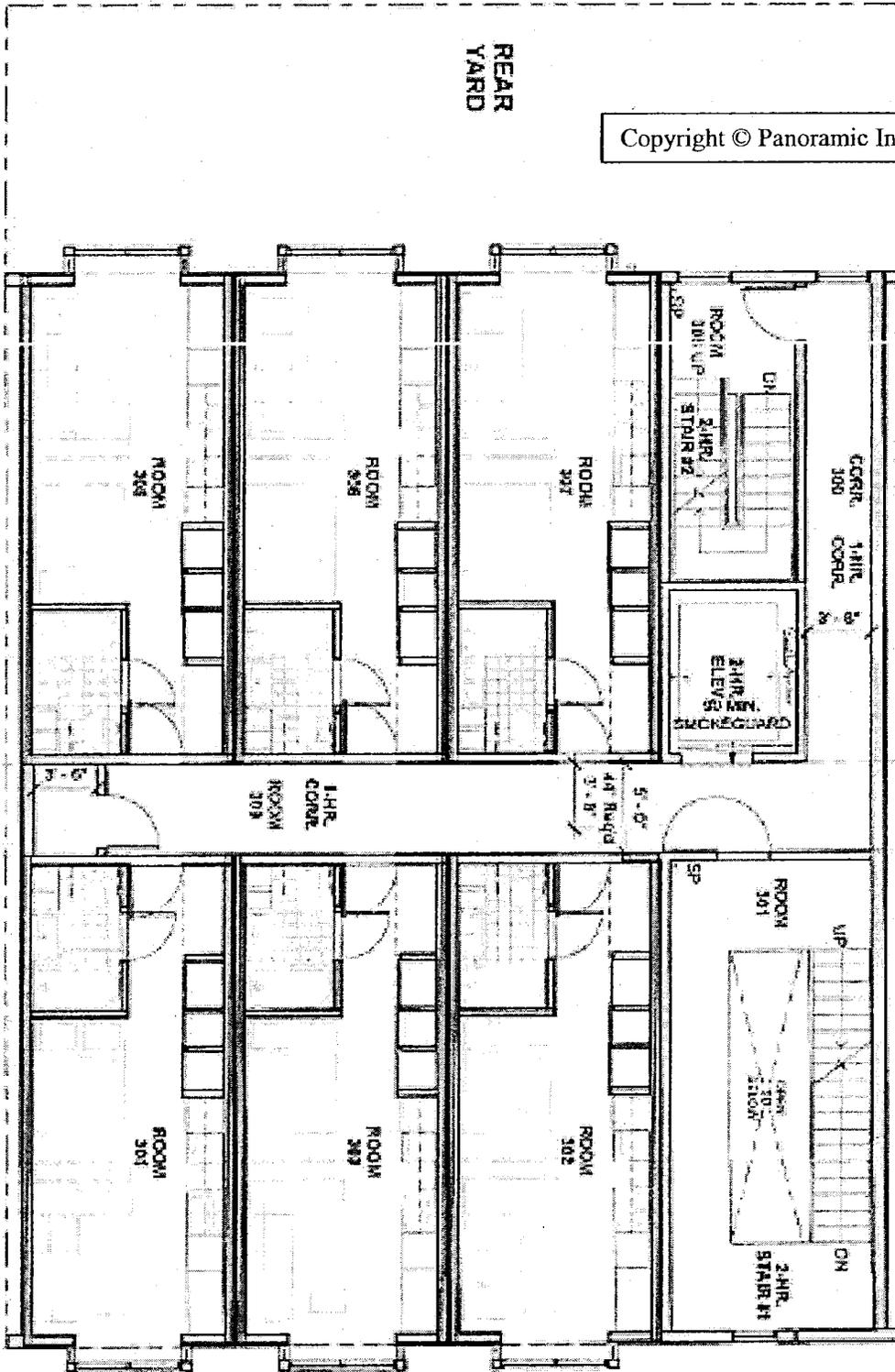
The project would require excavation underneath the entire project site of up to approximately two and a half feet below the existing street grade. Project construction would take approximately three months, and the project's estimated cost is \$2,000,000.

The proposed project complies with the Planning Code and would not require a variance or a conditional use authorization.

¹ The project was formerly known as 42-48 Harriet Street.



**Figure 1 – Project Location Map
36-38 Harriet Street**
Source: ZETA Communities, October 2010



Copyright © Panoramic Interests 2009

Figure 5 – Third Floor Plan
 36-38 Harriet Street
 Source: ZETA Communities, October 2010

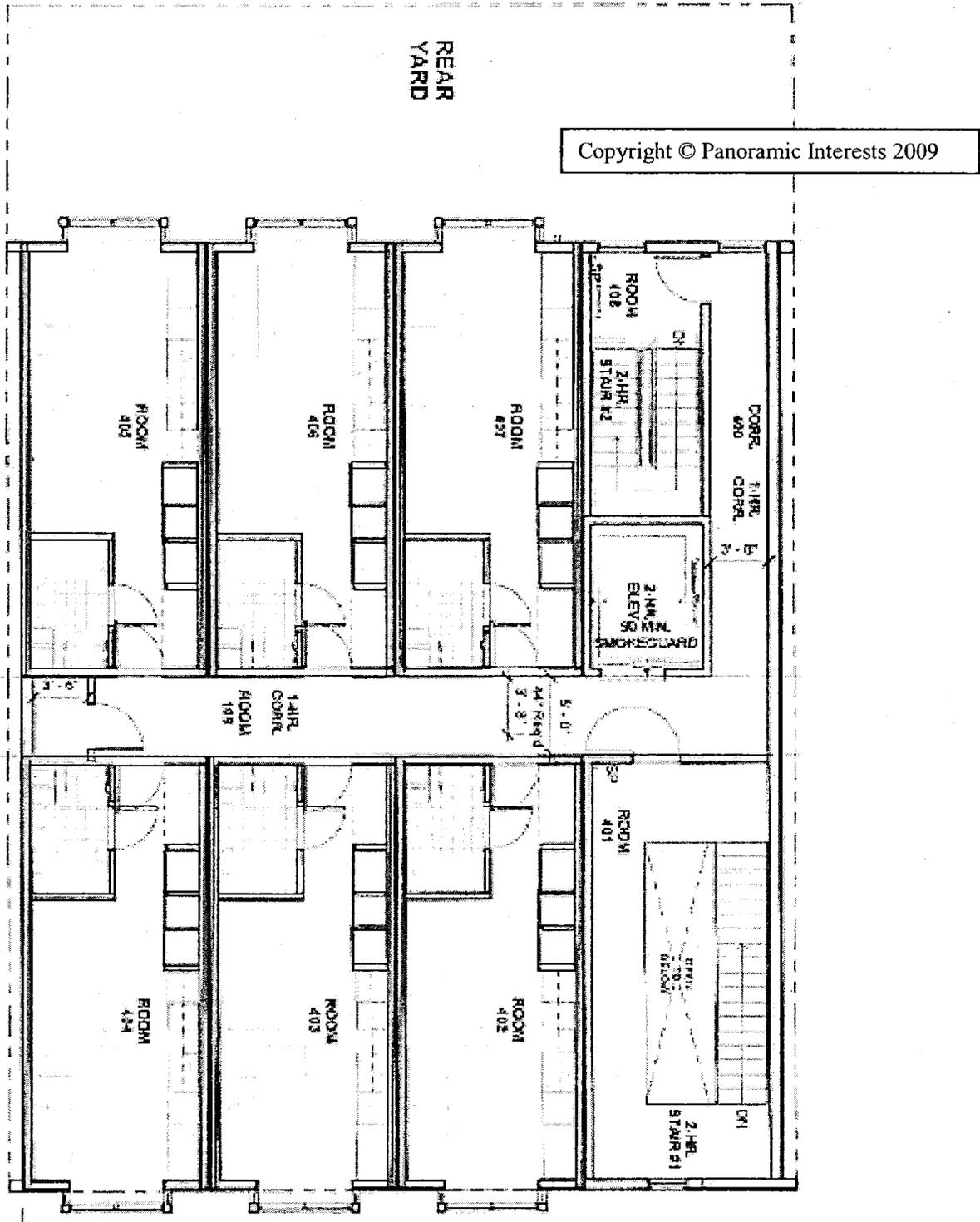


Figure 6 – Fourth Floor Plan
 36-38 Harriet Street
 Source: ZETA Communities, October 2010

B. PROJECT SETTING

The project site is located in the SOMA neighborhood, and is in the MUG and RED zoning districts, a 45-X height and bulk district, and the Youth and Family Zone SUD. The project area is located within the East SOMA Area Plan of the General Plan. The MUG use district is intended to maintain and facilitate the growth and expansion of small-scale light industrial, wholesale distribution, arts production and performance/exhibition activities, general commercial and neighborhood-serving retail and personal service activities while protecting existing housing and encouraging the development of housing at a scale and density compatible with the existing neighborhood. The project site is also designated as RED as the site is viewed as an opportunity for new, moderate-income, in-fill housing. The entire project area is located within a potential historic district (Western SOMA Light Industrial and Residential Historic District).

The lots immediately surrounding the project site are zoned either SOMA Neighborhood Commercial Transit, MUG, and RED, and there are three lots to the southeast that are zoned Public (P) land. All of the surrounding lots, including the project site, are in the Youth and Family Zone SUD. This SUD is intended to expand the provision of affordable housing in the area and to protect and enhance the health and environment of youth and families by adopting policies that focus on certain lower density areas of this district for the expansion of affordable housing opportunities. Land uses in the surrounding neighborhood primarily consist of residential, industrial, retail, and recreational.

The project site is located on the south side of Harriet Street between Folsom Street and Howard Street. The current use of the site is a vacant surface parking lot with 18 spaces. The project block is bounded by Folsom Street to the east, 6th Street to the north, Howard Street to the west, and 7th Street to the south (see figure 1, project location). On the project block, and to the immediate west of the project site, fronting on Harriet Street, is a two-story industrial building (circa 1925) with the ground-floor occupied by a rug cleaning business, and a two-story office building (circa 1939) fronting on Howard Street that is occupied by the City of Refuge United Church.

To the immediate east of the project site is a four-story, three-unit live/work condominium (circa 1999); a three-story, four-unit residential building (circa 1911); a two-story, three-unit residential building (circa 1916); a three-story, 15-unit live/work condominium (circa 2003); a two-story, two-unit residential building (circa 1911); a three-story, six-unit apartment building (circa 1911); and a two-story, 19-unit condominium building (circa 2001) that fronts on both Harriet and Folsom Streets.

Across Harriet Street to the north of the project site, from Howard Street to Folsom Street, is a four-story hotel (circa 1907) with ground-floor commercial (Seventh Son Tattoo) fronting on Howard Street; a two-story, three-unit residential building (circa 1921); a three-story, six-unit apartment building (circa 1912); a three-story five-unit apartment building (circa 1914) that fronts

on 6th Street with a parking lot that fronts on Harriet Street; a three-story apartment building (circa 1907) that fronts of 6th Street; a two-story, industrial building (circa 1925) that fronts on 6th Street with a curb cut on Harriet Street, which is directly across from the project site and is occupied by two automotive repair facilities (Bee Automotive Collision Center and Auto Dynamik); and the South of Market/Gene Friend Recreation Center which fronts on 6th Street, Folsom Street, and Harriet Street, and includes an indoor community center and an outdoor recreational area.

There are no schools within the vicinity of the project site. The closest open spaces to the project site are the South of Market/Gene Friend Recreation Center (one block away), the Victoria Manalo Davies Park (one block away), the Hallidie Plaza (seven blocks away), and the Civic Center Plaza (ten blocks away).

C. COMPATIBILITY WITH EXISTING ZONING AND PLANS

	<i>Applicable</i>	<i>Not Applicable</i>
Discuss any variances, special authorizations, or changes proposed to the Planning Code or Zoning Map, if applicable.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Discuss any conflicts with any adopted plans and goals of the City or Region, if applicable.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Discuss any approvals and/or permits from City departments other than the Planning Department or the Department of Building Inspection, or from Regional, State, or Federal Agencies.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The project site is located within the East SOMA Area Plan of the General Plan, adopted in December 2008. The Eastern Neighborhoods Program was intended in part to support housing development in some areas previously zoned to allow industrial uses, while preserving an adequate supply of space for existing and future production, distribution, and repair (PDR) employment and businesses. The Eastern Neighborhoods Program also included changes to existing height and bulk districts in some areas.

During the Eastern Neighborhoods adoption phase, the Planning Commission held public hearings to consider the various aspects of the proposed area plans, and Planning Code and Zoning Map amendments. On August 7, 2008, the Planning Commission certified the Eastern

Neighborhoods Final EIR by Motion 176592 and adopted the Preferred Project for final recommendation to the Board of Supervisors.^{3,4}

In December 2008, after further public hearings, the Board of Supervisors approved and the Mayor signed the Eastern Neighborhoods rezoning and Planning Code amendments. New zoning districts include districts that would permit PDR uses in combination with commercial uses; districts mixing residential and commercial uses and residential and PDR uses; and new residential-only districts. The districts replaced existing industrial, commercial, residential single-use, and mixed-use districts.

The current project at 36-38 Harriet Street is consistent with the development density established by the Eastern Neighborhoods Final EIR, a comprehensive programmatic document that presents an analysis of the environmental effects of implementation of the Eastern Neighborhoods Rezoning and Area Plans, as well as the potential impacts under several proposed alternative scenarios. The Eastern Neighborhoods Draft EIR evaluated three rezoning alternatives, two community-proposed alternatives which focused largely on the Mission District, and a “No Project” alternative. The alternative selected, or the Preferred Project, represents a combination of Options B and C. The Planning Commission adopted the Preferred Project after fully considering the environmental effects of the Preferred Project and the various scenarios discussed in the Final EIR.

Planning Department Citywide Planning and Neighborhood Planning staff have determined that the proposed project is consistent with density established with the Eastern Neighborhood Rezoning and Area Plans, satisfies the requirements of the General Plan and the Planning Code, and is eligible for a Community Plan Exemption.^{5,6}

³ *Eastern Neighborhoods Rezoning and Area Plans Final Environmental Impact Report*, Planning Department Case No. 2004.0160E, certified August 7, 2008. The FEIR is on file for public review at the Planning Department, 1650 Mission Street Suite 400 as part of Case No. 2004.0160E, or at: http://www.sfgov.org/site/planning_index.asp?id=67762.

⁴ San Francisco Planning Commission Motion 17659, August 7, 2008. http://www.sfgov.org/site/uploadedfiles/planning/Citywide/Eastern_Neighborhoods/Draft_Resolution_Public%20Parcels_FINAL.pdf

⁵ David Alumbaugh, San Francisco Planning Department, Community Plan Exemption Eligibility Determination, Citywide Planning and Policy Analysis, 36-38 Harriet Street. This document is on file and available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

D. SUMMARY OF ENVIRONMENTAL EFFECTS

The proposed project could potentially affect the environmental factor(s) checked below. The following pages present a more detailed checklist and discussion of each environmental factor checked below.

- | | | |
|---|--|---|
| <input type="checkbox"/> Land Use | <input type="checkbox"/> Air Quality | <input type="checkbox"/> Biological Resources |
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Geology and Soils |
| <input type="checkbox"/> Population and Housing | <input type="checkbox"/> Wind and Shadow | <input type="checkbox"/> Hydrology and Water Quality |
| <input type="checkbox"/> Cultural and Paleo. Resources | <input type="checkbox"/> Recreation | <input checked="" type="checkbox"/> Hazards/Hazardous Materials |
| <input type="checkbox"/> Transportation and Circulation | <input type="checkbox"/> Utilities and Service Systems | <input type="checkbox"/> Mineral/Energy Resources |
| <input type="checkbox"/> Noise | <input type="checkbox"/> Public Services | <input type="checkbox"/> Agricultural and Forest Resources |
| | <input checked="" type="checkbox"/> Mandatory Findings of Significance | |

E. EVALUATION OF ENVIRONMENTAL EFFECTS

California Environmental Quality Act (CEQA) State Guidelines Section 15183 provides an exemption from environmental review for projects that are consistent with the development density established by existing zoning, community plan or general plan policies for which an Environmental Impact Report (EIR) was certified, except as might be necessary to examine whether there are project-specific effects which are peculiar to the project or its site. Section 15183 specifies that examination of environmental effects for projects eligible for a Community Plan Exemption shall be limited to those effects that: a) are peculiar to the project or parcel on which the project would be located; b) were not analyzed as significant effects in a prior EIR on the zoning action, general plan or community plan with which the project is consistent; c) are

⁶ Kelley Amdur, San Francisco Planning Department, Community Plan Exemption Eligibility Determination, Neighborhood Analysis, 36-38 Harriet Street. This document is on file and available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

potentially significant off-site and cumulative impacts which were not discussed in the underlying EIR; and d) are previously identified in the EIR, but which are determined to have a more severe adverse impact than that discussed in the underlying EIR. Section 15183(c) specifies that if an impact is not peculiar to the parcel or to the proposed project, then an EIR need not be prepared for that project solely on the basis of that impact.

An initial analysis was conducted by the Planning Department to evaluate potential project-specific environmental effects peculiar to the 36-38 Harriet Street project, and incorporated by reference information contained within the Eastern Neighborhoods Rezoning and Area Plans Final EIR (Eastern Neighborhoods) (Case No. 2004.0160E; State Clearinghouse No. 2005032048). This initial analysis assessed the proposed project's potential to cause environmental impacts and concluded that, with the exception of hazardous materials, the proposed project would not result in new, peculiar environmental effects, or effects of greater severity than were already analyzed and disclosed in the Eastern Neighborhoods.⁷ Due to the peculiar impact found concerning hazardous materials, this Focused Initial Study was prepared for this topic area only.

<i>Topics:</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>	<i>Not Applicable</i>
1. HAZARDS AND HAZARDOUS MATERIALS					
Would the project:					
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

⁷ Community Plan Exemption Checklist, 42 - 48 Harriet Street, November 10, 2010. This document is on file and available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

<i>Topics:</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>	<i>Not Applicable</i>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The project site is not located within one-quarter mile of an existing school, and therefore, Topic 1c is not applicable to the proposed project. The project site is not included on the Department of Toxic Substances Control (DTSC) list compiled pursuant to Government Code Section 65962.5 of hazardous materials sites in San Francisco, and therefore, Topics 1d is not applicable to the proposed project. The project site is not located within an airport land use plan area, nor is it in the vicinity of a private airstrip, and therefore, Topics 1e and 1f are not applicable to the proposed project.

The Maher Ordinance (Ordinance 253-86) is a San Francisco ordinance that requires certain hazardous materials reporting and handling for parcels primarily located "Bayward of the high-tide-line." The project site is not within the limits of the Maher Zone.

Impact HZ-1: The proposed project would not create a significant hazard through routine transport, use, disposal, handling or emission of hazardous materials. (Less than Significant)

The proposed project would involve demolition of the existing vacant surface parking lot and the construction of a four-story residential building with 23 SRO units. During operation, the proposed project would result in the use of relatively small quantities of hazardous materials for routine purposes. The owner and occupants of the development likely would handle common types of hazardous materials, such as cleaners and disinfectants. These products are labeled to

inform users of potential risks and to instruct them in appropriate handling procedures. Most of these materials are consumed through use, resulting in relatively little waste. Businesses are required by law to ensure employee safety by identifying hazardous materials in the workplace, providing safety information to workers who handle hazardous materials, and adequately training workers. For these reasons, hazardous materials used during project operation would not pose any substantial public health or safety hazards related to hazardous materials. Thus, there would be less-than-significant impacts related to hazardous materials use, with development of the proposed project.

Impact HZ-2: Demolition and excavation of the project site would not result in handling and accidental release of contaminated soils and hazardous building materials associated with historic uses. (Less than Significant with Mitigation Incorporated)

Ceres Associates conducted a Phase I Environmental Site Assessment (ESA) for the project site.⁸ This assessment was performed to provide a record of the conditions at the subject property and to evaluate what, if any, environmental issues exist at the site. The ESA assessed the potential for adverse environmental impacts from the current and historical practices on the site and the surrounding area.

According to the Phase I ESA, the review of the property's history revealed that in 1899 there were apartment buildings on the subject property, which were demolished prior to 1915 (likely due to the 1906 San Francisco Earthquake). A building permit for a house was filed for the property in 1914 and was constructed as evidenced on the 1931 Sanborn Fire Insurance Map. The residential structure appeared on the 1950 Sanborn Fire Insurance Map but was removed prior to 1968, as the structure does not appear on the 1968 Sanborn Fire Insurance Map. The subject property was not listed on the environmental database report that was acquired for the Phase I ESA. The site neighboring the project site to the northeast is a two-story building, with the ground floor occupied by a rug cleaning business. Directly across Harriet Street from the subject property is an automotive repair facility. Neither site was noted in the environmental database generated for this Phase I ESA. However, the project site is located within an area of San

⁸ Phase I Environmental Site Assessment, 36 and 38 Harriet Street, San Francisco, California, prepared by Ceres Associates, December 17, 2009. This report is available for review at the San Francisco Planning Department, 1650 Mission Street, Suite 400, San Francisco, in Project File No. 2010.0128E.

Francisco known to have soil contamination related to the earthquake and subsequent fire in 1906.

On July 15, 2010, ACC conducted six soil borings in randomly selected locations across the site to obtain information pertaining to the soil lithology at the site and to determine if potential soil contamination is present. All of the soil borings were conducted to a maximum depth of 2.5 feet below ground surface (this is the maximum depth of excavation for the proposed building foundation). All of the six soil samples collected from the site are impacted with either heavy metals (lead or nickel) above their respective risk-based screening levels. In addition, elevated concentrations of polynuclear aromatic hydrocarbons (PNAs) were reported in three soil samples. Although the levels of heavy metals and PNAs detected exceeded their risk-based screening levels for unrestricted (residential) use, a majority of samples were below commercial screening levels.⁹

Based on these results, ACC submitted a Site Mitigation Plan (SMP) to the Department of Public Health (DPH).¹⁰ The DPH reviewed the SMP and provided comments which have been incorporated into the below mitigation measures.¹¹ The SMP includes the following: notification of DPH 15 days prior to the commencement of work; a description of the work to be performed; a summary of environmental conditions; a schedule for the work and summary of the applicable components of the excavation workplan; a management of the hazardous or potentially hazardous work by an environmental consultant; a statement that stockpiles shall be bermed and tarped or treated with a biosurfactant; characterization of soils and groundwater prior to proper disposal; all transport of material will be performed by licensed haulers; trucks will be properly placarded; excavated material shall be covered with tight fitting covers; all points of egress for truck and equipment will be kept clean of dirt and other material. Dust suppression methods will be employed by the contractor whenever construction activities may cause dust, such as demolition of buildings, excavation, grading or earth-moving. Confirmation soil sampling shall

⁹ Voluntary Remedial Action Program Soil Sampling Results, 42-48 Harriet Street, San Francisco, prepared by ACC, August 2010. This report is available for review at the San Francisco Planning Department, 1650 Mission Street, Suite 400, San Francisco, in Project File No. 2010.0128E.

¹⁰ Site Mitigation Plan, 42-48 Harriet Street, San Francisco, prepared by ACC, August 2010. This report is available for review at the San Francisco Planning Department, 1650 Mission Street, Suite 400, San Francisco, in Project File No. 2010.0128E.

¹¹ Department of Public Health, Voluntary Remedial Action Memorandum, to Cara Houser, 42-48 Harriet Street, San Francisco, September 6, 2010. This report is available for review at the San Francisco Planning Department, 1650 Mission Street, Suite 400, San Francisco, in Project File No. 2010.0128E.

be collected to evaluate residual soils remaining on the site. Should unexpected conditions occur, the contractor shall screen for evidence of grossly contaminated soil, periodic screening for organic vapors, excavated within the limits of the proposed excavation, stockpile materials separately from other materials and dispose material at appropriate offsite location. If drums are encountered, EHS-HWU will be contacted. If unidentified tanks, associated appurtenance, drums and/or petroleum impacted soils are found the impacted soils will be properly removed in accordance with applicable regulations. Imported clean fill shall be free of extraneous debris and solid waste.

The Eastern Neighborhoods identified a significant impact related to Hazardous Building Materials and determined that Mitigation Measure L-1: Hazardous Building Materials would reduce effects to a less-than-significant level. Since there are no structures at 36-38 Harriet Street, Mitigation Measure L-1 does not apply to the project.

The project site is located adjacent to a church building and is in close proximity to the South of Market/Gene Friend Recreation Center, which are considered sensitive receptors for potential hazards and hazardous materials exposure. Notably, the South of Market/Gene Friend Recreation Center is located less than 250 feet to the southeast, across Harriet Street. In order to address potentially significant adverse health effects of exposure to contaminated soils, by workers and by sensitive receptors, including children, in the area, Mitigation Measures M-HZ-1 to M-HZ-4 are required. With implementation of Mitigation Measures M-HZ-1 to M-HZ-4, which are described below and were developed in consultation with the Department of Public Health's Environmental Health Section, this impact related to hazards and hazardous materials release and exposure would be reduced to a less-than-significant level.

Mitigation Measure M-HZ-1

Hazards (UST Removal and/or Monitoring)

In accordance with San Francisco Health Code Article 21, the project sponsor shall file an application with the San Francisco Department of Public Health (DPH) for removal and/or monitoring of any UST that are identified during project construction. If the proposed excavation activities encounter groundwater, the groundwater shall also be tested for contaminants. Copies of the test results shall be submitted to the DPH, Division of Environmental Health, and to the Planning Department, prior to the start of construction.

If contamination or abandoned tanks are encountered, the project sponsor shall immediately notify the DPH, Division of Environmental Health, and shall take all necessary steps to ensure the safety of site workers and members of the public. USTs shall be removed by an appropriate licensed UST contractor under permit by the Hazardous Materials Unified Program Agency (HMUPA) and the San Francisco Fire Department. Imported fill shall be characterized to be below residential ESLs. A health and safety plan shall be submitted two weeks prior to the commencement of work. EHS-HWU requires confirmatory sampling to occur following excavation of the site to confirm the removal of contaminated soils. These steps shall include implementation of a health and safety plan prepared by a qualified professional, and disposal of any contaminated soils removed from the site at an approved facility. In addition, the project shall be constructed, so that all remaining site soils are entirely encapsulated beneath a concrete slab. If confirmation testing following site excavation indicates that contaminated soils remain on site, a deed restriction notifying subsequent property owners of the contamination and the necessity of maintaining the cap, shall be executed, prior to a certificate of occupancy.

Mitigation Measure M-HZ-2

Hazards (Testing for and Handling of Contaminated Soil)

Step 1: Handling, Hauling, and Disposal of Contaminated Soils

(a) Specific work practices: If, based on the results of the soil tests conducted, DPH determines that the soils on the project site are contaminated at or above potentially hazardous levels, the construction contractor shall be alert for the presence of such soils during excavation and other construction activities on the site (detected through soil odor, color, and texture and results of on-site soil testing), and shall be prepared to handle, profile (i.e., characterize), and dispose of such soils appropriately (i.e., as dictated by local, state, and federal regulations) when such soils are encountered on the site. If excavated materials contain over one percent friable asbestos, they shall be treated as hazardous waste, and shall be transported and disposed of in accordance with applicable State and federal regulations. These procedures are intended to mitigate any potential health risks related to chrysotile asbestos, which may or may not be located on the site.

(b) Dust suppression: Soils exposed during excavation for site preparation and project construction activities shall be kept moist throughout the time they are exposed, both during and after construction work hours.

(c) Surface water runoff control: Where soils are stockpiled, visqueen shall be used to create an impermeable liner, both beneath and on top of the soils, with a berm to contain any potential surface water runoff from the soil stockpiles during inclement weather.

(d) Soils replacement: If necessary, clean fill or other suitable material(s) shall be used to bring portions of the project site, where contaminated soils have been excavated and removed, up to construction grade.

(e) Hauling and disposal: Contaminated soils shall be hauled off the project site by waste hauling trucks appropriately certified with the State of California and adequately covered to prevent dispersion of the soils during transit, and shall be disposed of at a permitted hazardous waste disposal facility registered with the State of California.

Step 2: Preparation of Closure/Certification Report

After construction activities are completed, the project sponsor shall prepare and submit a closure/certification report to DPH for review and approval. The closure/certification report shall include the mitigation measures in the SMP for handling and removing contaminated soils from the project site, whether the construction contractor modified any of these mitigation measures, and how and why the construction contractor modified those mitigation measures.

Mitigation Measure M-HZ-3

Hazards (Disposal of Contaminated Soil, Site Health and Safety Plan)

If, based on the results of the soil tests conducted, the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, any contaminated soils designated as hazardous waste and required by DPH to be excavated shall be removed by a qualified Removal Contractor and disposed of at a regulated Class I hazardous waste landfill in accordance with U.S. Environmental Protection Agency regulations, as stipulated in the Site Mitigation Plan. The Removal Contractor shall obtain, complete, and sign hazardous waste manifests to accompany the soils to the disposal site. Other excavated soils shall be disposed of in an appropriate landfill, as governed by applicable laws and regulations, or other appropriate actions shall be taken in coordination with the DPH.

If the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, a Site Health and Safety (H&S) Plan shall be required by the California Division of Occupational Safety and Health (Cal-OSHA) prior to initiating any earth-moving activities at the site. The Site Health and Safety Plan shall identify protocols for managing soils during construction to minimize worker and public exposure to contaminated soils. The protocols shall include at a minimum:

- Sweeping of adjacent public streets daily (with water sweepers) if any visible soil material is carried onto the streets.
- Characterization of excavated native soils proposed for use on site prior to placement to confirm that the soil meets appropriate standards.
- The dust controls specified in the Construction Dust Control Ordinance (176-08). This includes dust control during excavation and truck loading shall include misting of the area prior to excavation, misting soils while loading onto trucks, stopping all excavation work should winds exceed 25 mph, and limiting vehicle speeds onsite to 15mph.

- Protocols for managing stockpiled and excavated soils.

The Site Health and Safety Plan shall identify site access controls to be implemented from the time of surface disruption through the completion of earthwork construction. The protocols shall include as a minimum:

- Appropriate site security to prevent unauthorized pedestrian/vehicular entry, such as fencing or other barrier or sufficient height and structural integrity to prevent entry and based upon the degree of control required.
- Posting of "no trespassing" signs.
- Providing on-site meetings with construction workers to inform them about security measures and reporting/contingency procedures.

If groundwater contamination is identified, the Site Health and Safety Plan shall identify protocols for managing groundwater during construction to minimize worker and public exposure to contaminated groundwater. The protocols shall include procedures to prevent unacceptable migration of contamination from defined plumes during dewatering.

The Site Health and Safety Plan shall include a requirement that construction personnel be trained to recognize potential hazards associated with underground features that could contain hazardous substances, previously unidentified contamination, or buried hazardous debris. Excavation personnel shall also be required to wash hands and face before eating, smoking, and drinking.

The Site Health and Safety Plan shall include procedures for implementing a contingency plan, including appropriate notification and control procedures, in the event unanticipated subsurface hazards are discovered during construction. Control procedures shall include, but would not be limited to, investigation and removal of underground storage tanks or other hazards.

Mitigation Measure M-HZ-4

Hazards (Decontamination of Vehicles)

If the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, all trucks and excavation and soil handling equipment shall be decontaminated following use and prior to removal from the site. Gross contamination shall be first removed through brushing, wiping, or dry brooming. The vehicle or equipment shall then be washed clean (including tires). Prior to removal from the work site, all vehicles and equipment shall be inspected to ensure that contamination has been removed.

Impact HZ-3: The proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. (Less than Significant)

San Francisco ensures fire safety and emergency accessibility within new and existing developments through provisions of its Building and Fire Codes. The project would conform to these standards, which may include development of an emergency procedure manual and an exit drill plan for the proposed building. Potential fire hazards (including those associated with hydrant water pressure and blocking of emergency access points) would be addressed during the permit review process. Conformance with these standards would ensure appropriate life safety protections. Consequently, the project would not have a significant impact on fire hazards, nor interfere with emergency access plans.

Impact HZ-4: The proposed project would not expose people or structures to a significant risk of loss, injury or death involving fires. (Less than Significant)

San Francisco ensures fire safety primarily through provisions of the Building Code and the Fire Code. Existing and new buildings are required to meet standards contained in these codes. In addition, the final building plans for any new residential project greater than two units are reviewed by the San Francisco Fire Department (as well as the Department of Building Inspection), in order to ensure conformance with these provisions. The proposed project would conform to these standards, which (depending on the building type) may also include development of an emergency procedure manual and an exit drill plan. Therefore, the proposed project's exposure of people or buildings to the risk of fire would be an impact that is less than significant.

Impact HZ-5: The proposed project, in combination with past, present, and reasonably foreseeable future projects in the site vicinity, would result in less-than-significant impacts related to hazards and hazardous materials. (Less than Significant)

Impacts from hazards are generally site-specific, and typically do not result in cumulative impacts. Any hazards present at surrounding sites would be subject to the same safety requirements discussed for the proposed project above, which would reduce any cumulative hazard effects to levels considered less than significant. Overall, with implementation of Mitigation Measures M-HZ-1 to M-HZ-4, described on pages 17 to 20, the project would not contribute to cumulatively considerable significant effects related to hazards and hazardous materials.

<i>Topics:</i>	<i>Potentially Significant Impact</i>	<i>Less Than Significant with Mitigation Incorporated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>	<i>Not Applicable</i>
2. MANDATORY FINDINGS OF SIGNIFICANCE— Would the project:					
a) Have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have impacts that would be individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The proposed project would involve demolition of the existing vacant surface parking lot and the construction of a new four-story residential building with 23 SRO units. As previously discussed, an initial analysis was conducted and found that, with the exception of hazardous materials, the proposed project would not result in new, peculiar environmental effects, or effects of greater severity than were already analyzed and disclosed in the Eastern Neighborhoods Rezoning and Area Plans Final EIR. Due to the peculiar impact found concerning hazardous materials, this Focused Initial Study was prepared for this topic area only.

The foregoing analysis identifies potentially significant impacts to hazardous materials, which would be mitigated to a less-than-significant level through implementation of Mitigation Measures M-HZ-1 to M-HZ-4, described on pages 17 to 20.

F. MITIGATION AND IMPROVEMENT MEASURES

Mitigation Measure M-HZ-1

Hazards (UST Removal and/or Monitoring)

In accordance with San Francisco Health Code Article 21, the project sponsor shall file an application with the San Francisco Department of Public Health (DPH) for removal and/or monitoring of any UST that are identified during project construction. If the proposed excavation activities encounter groundwater, the groundwater shall also be tested for contaminants. Copies of the test results shall be submitted to the DPH, Division of Environmental Health, and to the Planning Department, prior to the start of construction.

If contamination or abandoned tanks are encountered, the project sponsor shall immediately notify the DPH, Division of Environmental Health, and shall take all necessary steps to ensure the safety of site workers and members of the public. USTs shall be removed by an appropriate licensed UST contractor under permit by the Hazardous Materials Unified Program Agency (HMUPA) and the San Francisco Fire Department. Imported fill shall be characterized to be below residential ESLs. A health and safety plan shall be submitted two weeks prior to the commencement of work. EHS-HWU requires confirmatory sampling to occur following excavation of the site to confirm the removal of contaminated soils. These steps shall include implementation of a health and safety plan prepared by a qualified professional, and disposal of any contaminated soils removed from the site at an approved facility. In addition, the project shall be constructed, so that all remaining site soils are entirely encapsulated beneath a concrete slab. If confirmation testing following site excavation indicates that contaminated soils remain on site, a deed restriction notifying subsequent property owners of the contamination and the necessity of maintaining the cap, shall be executed, prior to a certificate of occupancy.

Mitigation Measure M-HZ-2

Hazards (Testing for and Handling of Contaminated Soil)

Step 1: Handling, Hauling, and Disposal of Contaminated Soils

(a) Specific work practices: If, based on the results of the soil tests conducted, DPH determines that the soils on the project site are contaminated at or above potentially hazardous levels, the construction contractor shall be alert for the presence of such soils during excavation and other construction activities on the site (detected through soil odor, color, and texture and results of on-site soil testing), and shall be prepared to handle, profile (i.e., characterize), and dispose of such soils appropriately (i.e., as dictated by local, state, and federal regulations) when such soils are encountered on the site. If excavated materials contain over one percent friable asbestos, they shall be treated as hazardous waste, and shall be transported and disposed of in accordance with applicable State and federal regulations. These procedures are intended to mitigate any potential health risks related to chrysotile asbestos, which may or may not be located on the site.

(b) Dust suppression: Soils exposed during excavation for site preparation and project construction activities shall be kept moist throughout the time they are exposed, both during and after construction work hours.

(c) Surface water runoff control: Where soils are stockpiled, visqueen shall be used to create an impermeable liner, both beneath and on top of the soils, with a berm to contain any potential surface water runoff from the soil stockpiles during inclement weather.

(d) Soils replacement: If necessary, clean fill or other suitable material(s) shall be used to bring portions of the project site, where contaminated soils have been excavated and removed, up to construction grade.

(e) Hauling and disposal: Contaminated soils shall be hauled off the project site by waste hauling trucks appropriately certified with the State of California and adequately covered to prevent dispersion of the soils during transit, and shall be disposed of at a permitted hazardous waste disposal facility registered with the State of California.

Step 2: Preparation of Closure/Certification Report

After construction activities are completed, the project sponsor shall prepare and submit a closure/certification report to DPH for review and approval. The closure/certification report shall include the mitigation measures in the SMP for handling and removing contaminated soils from the project site, whether the construction contractor modified any of these mitigation measures, and how and why the construction contractor modified those mitigation measures.

Mitigation Measure M-HZ-3

Hazards (Disposal of Contaminated Soil, Site Health and Safety Plan)

If, based on the results of the soil tests conducted, the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, any contaminated soils designated as hazardous waste and required by DPH to be excavated shall be removed by a qualified Removal Contractor and disposed of at a regulated Class I hazardous waste landfill in accordance with U.S. Environmental Protection Agency regulations, as stipulated in the Site Mitigation Plan. The Removal Contractor shall obtain, complete, and sign hazardous waste manifests to accompany the soils to the disposal site. Other excavated soils shall be disposed of in an appropriate landfill, as governed by applicable laws and regulations, or other appropriate actions shall be taken in coordination with the DPH.

If the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, a Site Health and Safety (H&S) Plan shall be required by the California Division of Occupational Safety and Health (Cal-OSHA) prior to initiating any earth-moving activities at the site. The Site Health and Safety Plan shall identify protocols for managing

soils during construction to minimize worker and public exposure to contaminated soils. The protocols shall include at a minimum:

- Sweeping of adjacent public streets daily (with water sweepers) if any visible soil material is carried onto the streets.
- Characterization of excavated native soils proposed for use on site prior to placement to confirm that the soil meets appropriate standards.
- The dust controls specified in the Construction Dust Control Ordinance (176-08). This includes dust control during excavation and truck loading shall include misting of the area prior to excavation, misting soils while loading onto trucks, stopping all excavation work should winds exceed 25 mph, and limiting vehicle speeds onsite to 15mph.
- Protocols for managing stockpiled and excavated soils.

The Site Health and Safety Plan shall identify site access controls to be implemented from the time of surface disruption through the completion of earthwork construction. The protocols shall include as a minimum:

- Appropriate site security to prevent unauthorized pedestrian/vehicular entry, such as fencing or other barrier or sufficient height and structural integrity to prevent entry and based upon the degree of control required.
- Posting of "no trespassing" signs.
- Providing on-site meetings with construction workers to inform them about security measures and reporting/contingency procedures.

If groundwater contamination is identified, the Site Health and Safety Plan shall identify protocols for managing groundwater during construction to minimize worker and public exposure to contaminated groundwater. The protocols shall include procedures to prevent unacceptable migration of contamination from defined plumes during dewatering.

The Site Health and Safety Plan shall include a requirement that construction personnel be trained to recognize potential hazards associated with underground features that could contain hazardous substances, previously unidentified contamination, or buried hazardous debris. Excavation personnel shall also be required to wash hands and face before eating, smoking, and drinking.

The Site Health and Safety Plan shall include procedures for implementing a contingency plan, including appropriate notification and control procedures, in the event unanticipated subsurface

hazards are discovered during construction. Control procedures shall include, but would not be limited to, investigation and removal of underground storage tanks or other hazards.

Mitigation Measure M-HZ-4

Hazards (Decontamination of Vehicles)

If the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, all trucks and excavation and soil handling equipment shall be decontaminated following use and prior to removal from the site. Gross contamination shall be first removed through brushing, wiping, or dry brooming. The vehicle or equipment shall then be washed clean (including tires). Prior to removal from the work site, all vehicles and equipment shall be inspected to ensure that contamination has been removed.

G. PUBLIC NOTICE AND COMMENT

A "Notification of Project Receiving Environmental Review" was mailed on May 14, 2010 to owners of properties within 300 feet of the project site and adjacent occupants. One member of the public expressed concern related to the soil stability underneath the project site. A geotechnical investigation report was reviewed by Planning and was discussed the Community Plan Exemption Checklist, which concluded that the proposed project would not result in a significant effect related to geology, either individually or cumulatively.¹²

¹² Community Plan Exemption Checklist, 36-38 Harriet Street. This document is on file and available for review as part of Case No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

G. DETERMINATION

On the basis of this Initial Study:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, no further environmental documentation is required.



Bill Wycko
Environmental Review Officer
for
John Rahaim
Director of Planning

DATE November 19, 2010



SAN FRANCISCO PLANNING DEPARTMENT

Certificate of Determination EXEMPTION FROM ENVIRONMENTAL REVIEW

Case No.: 2010.0128E
 Project Address: 36-38 Harriet Street (formerly 42-48 Harriet Street)
 Zoning: MUG (Mixed Use General); RED (Residential Enclave District);
 Youth and Family Zone Special Use District
 45-X Height and Bulk District
 Block/Lot: Block 3731; Lots 101 and 102
 Lot Size: 1,238 and 2,512 square feet, respectively
 Plan Area: East SOMA Subarea of the Eastern Neighborhoods
 Project Sponsor: Cara Houser, Panoramic Interests, (510) 883-1000
 Staff Contact: Don Lewis – (415) 575-9095, don.lewis@sfgov.org

1650 Mission St.
 Suite 400
 San Francisco,
 CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
 Information:
415.558.6377

PROJECT DESCRIPTION:

The project sponsor proposes to demolish a vacant surface parking lot and construct a new, 45-foot-tall, four-story, 11,775-square-foot residential building with 23 SRO (Single Room Occupancy) condominium units. Five of the SRO units would be at the ground-floor level while floors 2 through 4 would each have six SRO units. The project would not provide off-street parking. The 3,750-square-foot project site is located on the southwest side of Harriet Street between Folsom and Howard Streets within the South of Market (SOMA) neighborhood. The project site is also within the East SOMA subarea of the Eastern Neighborhoods Rezoning and Area Plan and within the proposed Western SOMA Light Industrial and Residential Historic District.

EXEMPT STATUS:

Exempt per Section 15183 of the California Environmental Quality Act (CEQA) Guidelines and California Public Resources Code Section 21083.3

REMARKS:

(See next page.)

DETERMINATION:

I do hereby certify that the above determination has been made pursuant to State and Local requirements.


 BILL WYCKO
 Environmental Review Officer


 Date

cc: Cara Houser, Project Contact
 Diego Sanchez, Neighborhood Planning Division
 Vima Byrd, M.D.F.

Supervisor Chris Daly, District 6
 Exemption/Exclusion File
 Historic Preservation List

REMARKS:

California Environmental Quality Act (CEQA) State Guidelines Section 15183 provides an exemption from environmental review for projects that are consistent with the development density established by existing zoning, community plan or general plan policies for which an Environmental Impact Report (EIR) was certified, except as might be necessary to examine whether there are project-specific effects which are peculiar to the project or its site. Section 15183 specifies that examination of environmental effects shall be limited to those effects that: a) are peculiar to the project or parcel on which the project would be located; (b) were not analyzed as significant effects in a prior EIR on the zoning action, general plan or community plan with which the project is consistent; c) are potentially significant off-site and cumulative impacts which were not discussed in the underlying EIR; and d) are previously identified in the EIR, but which are determined to have a more severe adverse impact than that discussed in the underlying EIR. Section 15183(c) specifies that if an impact is not peculiar to the parcel or to the proposed project, then an EIR need not be prepared for that project solely on the basis of that impact.

This determination evaluates the potential project-specific environmental effects peculiar to the 36-38 Harriet Street residential project described above, and incorporates by reference information contained within the Eastern Neighborhoods Rezoning and Area Plans Final EIR (Eastern Neighborhoods Final EIR) (Case No. 2004.0160E; State Clearinghouse No. 2005032048). Project-specific studies summarized in this determination were prepared for the proposed project at 36-38 Harriet Street to determine if there would be significant impacts attributable to the proposed project. These studies examined that project's potential environmental effects on historical resources, noise, shadow, geology, and hazardous materials.

This determination assesses the proposed project's potential to cause environmental impacts and concludes that the proposed project, with the exception of hazards and hazardous materials, would not result in new, peculiar environmental effects, or effects of greater severity than were already analyzed and disclosed in the Eastern Neighborhoods Final EIR.¹ With the exception of hazards and hazardous materials, this determination does not identify new or additional information that would alter the conclusions of the Eastern Neighborhoods Final EIR. This determination also identifies mitigation measures contained in the Eastern Neighborhoods Final EIR that would be applicable to the proposed project at 36-38 Harriet Street. Relevant information pertaining to prior environmental review conducted for the Eastern Neighborhoods is included below, as well as an evaluation of potential environmental effects.

Background

After several years of analysis, community outreach, and public review, the Eastern Neighborhoods Final EIR was adopted in December 2008. The Eastern Neighborhoods Final EIR was adopted in part to support housing development in some areas previously zoned to allow industrial uses, while preserving an adequate supply of space for existing and future production, distribution, and repair (PDR)

¹ A Focused Initial Study will be conducted for hazards and hazardous materials topic. A copy of this document is available for public review at the Planning Department, 1650 Mission Street, Suite 400, San Francisco, as part of Case File No. 2010.0128E.

employment and businesses. The Eastern Neighborhoods Final EIR also included changes to existing height and bulk districts in some areas, including the project site at 36-38 Harriet Street.

During the Eastern Neighborhoods adoption phase, the Planning Commission held public hearings to consider the various aspects of the proposed area plans, and Planning Code and Zoning Map amendments. On August 7, 2008, the Planning Commission certified the Eastern Neighborhoods Final EIR by Motion 176592 and adopted the Preferred Project for final recommendation to the Board of Supervisors.³

In December 2008, after further public hearings, the Board of Supervisors approved and the Mayor signed the Eastern Neighborhoods rezoning and Planning Code amendments. New zoning districts include districts that would permit PDR uses in combination with commercial uses; districts mixing residential and commercial uses and residential and PDR uses; and new residential-only districts. The districts replaced existing industrial, commercial, residential single-use, and mixed-use districts.

The Eastern Neighborhoods Final EIR is a comprehensive programmatic document that presents an analysis of the environmental effects of implementation of the Eastern Neighborhoods Rezoning and Area Plans, as well as the potential impacts under several proposed alternative scenarios. The Eastern Neighborhoods Draft EIR evaluated three rezoning alternatives, two community-proposed alternatives which focused largely on the Mission District, and a "No Project" alternative. The alternative selected, or the Preferred Project, represents a combination of Options B and C. The Planning Commission adopted the Preferred Project after fully considering the environmental effects of the Preferred Project and the various scenarios discussed in the Final EIR.

A major issue of discussion in the Eastern Neighborhoods rezoning process was the degree to which existing industrially-zoned land would be rezoned to primarily residential and mixed-use districts, thus reducing the availability of land traditionally used for PDR employment and businesses. Among other topics, the Eastern Neighborhoods Final EIR assesses the significance of the cumulative land use effects of the rezoning by analyzing its effects on the City's ability to meet its future PDR space needs as well as its ability to meet its housing needs as expressed in the City's General Plan.

The project site, as a result of the Eastern Neighborhoods, has been rezoned to Mixed Use General (MUG) in order to maintain and facilitate the growth and expansion of small-scale light industrial, wholesale distribution, arts production and performance/exhibition activities, general commercial and neighborhood-serving retail and personal service activities while protecting existing housing and encouraging the development of housing at a scale and density compatible with the existing neighborhood. The proposed project and its relation to PDR land supply and cumulative land use effects is discussed further in this determination on page 4, under Land Use. The 36-38 Harriet Street site, which

² *Eastern Neighborhoods Rezoning and Area Plans Final Environmental Impact Report*, Planning Department Case No. 2004.0160E, certified August 7, 2008. The FEIR is on file for public review at the Planning Department, 1650 Mission Street Suite 400 as part of Case No. 2004.0160E, or at: http://www.sfgov.org/site/planning_index.asp?id=67762.

³ San Francisco Planning Commission Motion 17659, August 7, 2008. http://www.sfgov.org/site/uploadedfiles/planning/Citywide/Eastern_Neighborhoods/Draft_Resolution_Public%20Parcels_FINAL.pdf

is also within the Residential Enclave District (RED), was designated and envisioned as a site with a building up to 45 feet in height and containing residential use.

Individual projects that could occur in the future under the Eastern Neighborhoods Rezoning and Area Plans will undergo project-level environmental evaluation to determine if they would result in further impacts specific to the development proposal, the site, and the time of development and to assess whether additional environmental review would be required. With the exception of hazards and hazardous materials, this determination concludes that the proposed residential project at 36-38 Harriet Street is consistent with and was encompassed within the analysis in the Eastern Neighborhoods Final EIR. This determination also finds, with the exception of hazards and hazardous materials, that the Eastern Neighborhoods Final EIR adequately anticipated and described the impacts of the proposed 36-38 Harriet Street project, and identified the mitigation measures applicable to the 36-38 Harriet Street project. The proposed project is also consistent with the zoning controls for the project site. Therefore, with the exception of hazards and hazardous materials, no further CEQA evaluation for the 36-38 Harriet Street project is necessary.

Potential Environmental Effects

The Eastern Neighborhoods Final EIR included analyses of environmental issues including: land use; plans and policies; visual quality and urban design; population, housing, business activity, and employment (growth inducement); transportation; noise; air quality; parks, recreation and open space; shadow; archeological resources; historic architectural resources; hazards; and other issues not addressed in the previously issued initial study for the Eastern Neighborhoods project. The proposed 36-38 Harriet Street project is in conformance with the height, use and density for the site described in the Eastern Neighborhoods Final EIR and would represent a small part of the growth that was forecast for the Eastern Neighborhoods. Thus, the project analyzed in the Eastern Neighborhoods Final EIR considered the incremental impacts of the proposed 36-38 Harriet Street project. As a result, the proposed project, with the exception of hazards and hazardous materials, would not result in any new or substantially more severe impacts than were identified in the Eastern Neighborhoods Final EIR. Topics for which the Final EIR identified a significant program-level impact are addressed in this Certification of Determination, with the exception of hazards and hazardous materials, while project impacts for all other topics are discussed in the Community Plan Exemption Checklist.⁴ With the exception of hazards and hazardous materials, the following discussion demonstrates that the 36-38 Harriet Street project would not result in significant impacts beyond those analyzed in the Eastern Neighborhoods Final EIR, including project-specific impacts related to land use, archeological resources, historic architectural resources, transportation, noise, air quality, greenhouse gas emissions, and shadow.

Land Use

The Eastern Neighborhoods Rezoning and Area Plans re-zoned much of the city's industrially-zoned land in the Mission, Central Waterfront, East South of Market and Showplace Square/Potrero Hill neighborhoods. The four main goals that guided the Eastern Neighborhood planning process were to reflect local values, increase housing, maintain some industrial land supply, and to improve the quality of all existing areas with future development. The re-zoning applied new residential and mixed-used zoning

⁴ San Francisco Planning Department, Community Plan Exemption Checklist, 36-38 Harriet Street, November 10, 2010. This document is on file and is available for review as part of Case File No. 2010.0128E at 1650 Mission Street, Suite 400, San Francisco, CA.

districts to parts of the Eastern Neighborhoods currently zoned for industrial, warehousing, and commercial service use.

The Eastern Neighborhoods Final EIR evaluated three land use options “alternatives” and under each of these options the subject property was designated Mixed Use General (MUG) to maintain and facilitate the growth and expansion of small-scale light industrial, wholesale distribution, arts production and performance/exhibition activities, general commercial and neighborhood-serving retail and personal service activities while protecting existing housing and encouraging the development of housing at a scale and density compatible with the existing neighborhood. In addition, the project site is also within the Residential Enclave District (RED) and is viewed as an opportunity for new, moderate-income, in-fill housing.

The proposed project would replace an existing surface parking lot with a 45-foot-tall residential building. The proposed building is consistent with the height and bulk controls and the proposed uses are permitted with the MUG and RED zoning controls. Further, the project is proposed on an in-fill site, and would not substantially impact upon the existing character of the vicinity and would not physically divide an established community.

The Eastern Neighborhoods Final EIR identified an unavoidable significant land use impact due to the cumulative loss of PDR under Option C. Option C, which would result in less PDR-only land than Options A or B and would rezone more existing PDR land and displace more existing PDR uses than the other two options, would result in a clear mismatch between the supply of and demand for PDR land and building space, with neither adequate land nor adequate building space available with substantial changes in land use controls on Port land. The analysis also determined that a No Project scenario would result in an unavoidable significant impact on the cumulative supply of land for PDR uses. Since there is no PDR at the project site, the 36-38 Harriet Street project would not contribute to this impact because there would be no loss of PDR.

In addition, Citywide Planning and Neighborhood Planning have both determined that the proposed project is consistent with the Eastern Neighborhoods Final EIR and satisfies the requirements of the General Plan and the Planning Code.^{5,6} Therefore, the project is eligible for a Community Plan Exemption.

Archeological Resources

The Eastern Neighborhoods Final EIR identified a significant impact related to archeological resources and determined that *Mitigation Measures J-1: Properties with Previous Studies*, *J-2: Properties With No Previous Studies*, and *J-3: Mission Dolores Archeological District* would reduce effects to a less-than-significant level. Since the proposed site is located outside Archeological Mitigation Zone A and B, and since no previous

⁵ David Alumbaugh, San Francisco Planning Department, Community Plan Exemption Eligibility Determination, Citywide Planning and Policy Analysis, 36-38 Harriet Street. This document is on file and available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

⁶ Kelley Amdur, San Francisco Planning Department, Community Plan Exemption Eligibility Determination, Neighborhood Analysis, 36-38 Harriet Street. This document is on file and available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

studies have been conducted on the project site, *Mitigation Measure J-2* applies to the proposed project. Pursuant to *Mitigation Measure J-2*, a Preliminary Archeological Sensitivity Study memorandum was prepared for the proposed project.⁷ The memorandum states that with implementation of the Department's measures for accidental discovery, there is low potential to adversely affect archeological resources. In the event such resources are encountered during ground-disturbing activities, implementation of *Mitigation Measure J-2* would reduce potential effects to a less-than-significant level. Therefore, Eastern Neighborhoods *Mitigation Measure J-2* (see Project Mitigation Measure 1 on page 26 of this Certificate of Determination) shall be undertaken to reduce the potential significant impact to a less than significant level from soils-disturbing activities on buried archeological resources.

Historic Architectural Resources⁸

The subject property is located within the potential Western SoMa Light Industrial and Residential Historic District, which has not been adopted by the Historic Preservation Commission (HPC). Although the subject property, an unimproved surface parking lot, is located within an identified potential historic district, the property is not a contributor to the district. While the proposed building may be contemporary in style, the proposed design is sensitive to the historic resources in the area. The scale, form, massing, fenestration patterns, and materials of the proposed building are appropriately designed to relate to adjacent historic buildings. Contributing buildings in the neighborhood are either residential or industrial, both in building use and architecture. The proposed façade and fenestration are a mixture of industrial and residential styles. The design of the front façade and the overall form, bulk, massing, fenestration, and materials of the proposed new construction are compatible with surrounding historical resources. The proposed building is compatible with the residential buildings on the block in terms of scale, height, size, and massing. Therefore, the proposed project is not anticipated to have an adverse effect on off-site historical resources.

Eastern Neighborhoods Final EIR *Mitigation Measure K-1: Interim Procedures for Permit Review in the Eastern Neighborhoods Plan Area* requires that projects involving new construction or alteration over 55 feet, or 10 feet taller than adjacent buildings built before 1963, shall be forwarded to the Historic Preservation Commission (HPC) for review and comment during a regularly scheduled hearing. Since the project involves construction that is 10 feet taller than the adjacent property at 34 Harriet Street, which was constructed in 1925, *Mitigation Measure K-1* (see Project Mitigation Measure 2 on page 27 of this Certificate of Determination) applies to the proposed project. Pursuant to this measure, the Department presented the proposed project to the HPC on October 6, 2010. The HPC concluded that the proposed project would not have a significant effect on the adjacent potential historic resource at 34 Harriet Street or the potential historic district.

In summary, the project would not result in a significant effect with regard to historic architectural resources.

⁷ Randall Dean, MEA archeologist, memorandum to Jeremy Battis, MEA planner, June 15, 2010. This memorandum is available for review at the Planning Department, 1650 Mission Street, Suite 400, in File No. 2010.0128E.

⁸ Memorandum from Ben Fu, Preservation Technical Specialist, to Don Lewis, Planner, Major Environmental Analysis, October 15, 2010. This memo is available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

In summary, the project would not result in a significant effect with regard to historic architectural resources.

Transportation

Trip generation of the proposed project was calculated using information in the 2002 *Transportation Impacts Analysis Guidelines for Environmental Review* (SF Guidelines) developed by the San Francisco Planning Department.⁹ The proposed project would generate about 173 person trips (inbound and outbound) on a weekday daily basis, consisting of 53 person trips by auto, 46 transit trips, 64 walk trips and 10 trips by other modes. During the p.m. peak hour, the proposed project would generate an estimated 8 vehicle trips (accounting for vehicle occupancy data for this Census Tract). Due to the project's location near major transit routes, this is likely a conservative estimate of vehicle trips.

The estimated 8 new p.m. peak hour vehicle trips would travel through the intersections surrounding the project block. Intersection operating conditions are characterized by the concept of Level of Service (LOS), which ranges from A to F and provides a description of an intersection's performance based on traffic volumes, intersection capacity, and vehicle delays. LOS A represents free flow conditions, with little or no delay, while LOS F represents congested conditions, with extremely long delays; LOS D (moderately high delays) is considered the lowest acceptable level in San Francisco. Available intersection LOS data from nearby intersections indicates that the Sixth Street/Folsom Street intersection (one block from project site) currently operates at LOS B during the weekday p.m. peak hour and that the Sixth Street/Howard Street intersection (one block from project site) operates at LOS C during the weekday p.m. peak hour.¹⁰ Given that the proposed project would add approximately 8 new p.m. peak hour vehicle trips to surrounding intersections, it is not anticipated to substantially increase traffic volumes at these or other nearby intersections, nor substantially increase average delay that would cause these intersections to deteriorate to unacceptable levels of service.

The Eastern Neighborhoods Final EIR evaluated three land use options. The proposed project is located in the East SOMA Subarea of the Eastern Neighborhoods. The nearest intersection to the project site that was analyzed (existing and 2025 operating conditions) in the Eastern Neighborhoods Final EIR is located at Seventh Street/Harrison Street (five blocks away). With the Eastern Neighborhood Rezoning, this intersection is anticipated to change from LOS B to LOS F under 2025 weekday p.m. peak hour conditions under Plan options A and B and to LOS E under Plan option C.

The nearest East SOMA Subarea intersection in which the Eastern Neighborhoods Final EIR identified a significant impact under 2025 weekday p.m. peak hour was at Seventh Street/Harrison Street (five blocks to the south of the project site) which operated at LOS B under existing (baseline) conditions and would deteriorate to LOS F under 2025 weekday p.m. peak hour operating conditions under Plan Options A and

⁹ Don Lewis, San Francisco Planning Department, *Transportation Calculations*, September 16, 2010. These calculations are available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

¹⁰ CHS Consulting Group, *900 Folsom Street and 260 Fifth Street Transportation Study*, November 28, 2007. A copy of this document is available for public review at the Planning Department, 1650 Mission Street, Suite 400, San Francisco, California, as a part of Case File No. 2007.0689!

B. It is likely these conditions would occur with or without the project, and the proposed project's contribution of 8 p.m. peak hour vehicle trips would not be a substantial proportion of the overall traffic volume or the new vehicle trips generated by Eastern Neighborhoods' projects, should they be approved. Under the Eastern Neighborhoods Final EIR, specific mitigation measures were not proposed for the Seventh Street/Harrison Street intersection and a Statement of Overriding Considerations related to the significant and unavoidable cumulative (2025) traffic impacts was adopted as part of the EIR Certification and project approval on August 7, 2008. Since the proposed project would not contribute significantly to 2025 Cumulative conditions, it would therefore, not have any significant cumulative traffic impacts.

Transit

As indicated above, the proposed project is estimated to add 46 daily transit person trips, of which 8 are estimated to occur in the p.m. peak hour. The project site is served by several local and regional transit lines including Muni lines 8AX/BX, 12, 14, 14L, 14X, 19, 27, and 47, and therefore, the additional p.m. peak hour trips would likely be accommodated on existing routes, and would result in a less-than-significant effect to transit services.

The Eastern Neighborhoods Final EIR identified significant and unavoidable cumulative impacts relating to increases in transit ridership due to the change from 2025 No-Project operating conditions for Muni lines 9, 10, 12, 14, 14L, 22, 27, 47, 49 and 67 under all Eastern Neighborhoods rezoning options. Mitigation measures proposed to address these impacts related to pursuing enhanced transit funding; conducting transit corridor and service improvements; and increasing transit accessibility, service information and storage/maintenance capabilities for Muni lines in Eastern Neighborhoods. Even with mitigation, however, cumulative impacts on the above lines were found to be significant and unavoidable and a Statement of Overriding Considerations with findings was adopted as part of the Eastern Neighborhoods Rezoning and Area Plans approval on August 7, 2008. The proposed project would not conflict with the implementation of these mitigation measures, and it is likely the significant and unavoidable cumulative transit conditions would occur with or without the proposed project. The proposed project's contribution of 8 p.m. peak hour transit trips would not be a substantial proportion of the overall transit volume generated by Eastern Neighborhood projects, should they be approved. Since the proposed project would not contribute significantly to 2025 Cumulative conditions, it would not have a significant cumulative transit impact.

Parking

The project site is currently a vacant, surface parking lot. The proposed project would not be required to provide off-street parking spaces pursuant to *Planning Code* Section 840.08, and the project does not propose any off-street parking spaces. Based on the methodology presented in the 2002 *Transportation Guidelines*, on an average weekday, the demand for parking would be 25 spaces. Thus, the project would have an unmet parking demand of 25 spaces. While the proposed off-street parking spaces would be less than the anticipated parking demand, the resulting parking deficit is considered to be a less-than-significant impact, regardless of the availability of on-street parking under existing conditions.

San Francisco does not consider parking supply as part of the permanent physical environment and therefore, does not consider changes in parking conditions to be environmental impacts as defined by

CEQA. However, this report presents a parking analysis to inform the public and the decision makers as to the parking conditions that could occur as a result of implementing the proposed project.

Parking conditions are not static, as parking supply and demand varies from day to day, from day to night, from month to month, etc. Hence, the availability of parking spaces (or lack thereof) is not a permanent physical condition, but changes over time as people change their modes and patterns of travel.

Parking deficits are considered to be social effects, rather than impacts on the physical environment as defined by CEQA. Under CEQA, a project's social impacts need not be treated as significant impacts on the environment. Environmental documents should, however, address the secondary physical impacts that could be triggered by a social impact. (CEQA Guidelines §15131(a).) The social inconvenience of parking deficits, such as having to hunt for scarce parking spaces, is not an environmental impact, but there may be secondary physical environmental impacts, such as increased traffic congestion at intersections, air quality impacts, safety impacts, or noise impacts caused by congestion. In the experience of San Francisco transportation planners, however, the absence of a ready supply of parking spaces, combined with available alternatives to auto travel (e.g., transit service, taxis, bicycles or travel by foot) and a relatively dense pattern of urban development, induces many drivers to seek and find alternative parking facilities, shift to other modes of travel, or change their overall travel habits. Any such resulting shifts to transit service in particular, would be in keeping with the City's "Transit First" policy. The City's Transit First Policy, established in the City's Charter Section 16.102 provides that "parking policies for areas well served by public transit shall be designed to encourage travel by public transportation and alternative transportation." The project area is well-served by local public transit (Muni lines 8AX/BX, 12, 14, 14L, 14X, 19, 27, and 47) and bike lanes (19, 23, 30, 62, and 63) which provide alternatives to auto travel.

The transportation analysis accounts for potential secondary effects, such as cars circling and looking for a parking space in areas of limited parking supply, by assuming that all drivers would attempt to find parking at or near the project site and then seek parking farther away if convenient parking is unavailable. Moreover, the secondary effects of drivers searching for parking is typically offset by a reduction in vehicle trips due to others who are aware of constrained parking conditions in a given area. Hence, any secondary environmental impacts which may result from a shortfall in parking in the vicinity of the proposed project would be minor, and the traffic assignments used in the transportation analysis, as well as in the associated air quality, noise and pedestrian safety analyses, reasonably addresses potential secondary effects.

Access

Pedestrian access to the residential building would be on Harriet Street. The project does not propose off-street parking. Harriet Street is a two-way minor mid-block street with parallel parking on both sides. Emergency access to the project site would not be changed by the proposed project. There are no bus stops in front of the project site. Sidewalks and on-street parking are present on both sides of the street. The nearest transit preferential streets are Harrison Street, Mission Street, and Market Street. Garbage pickup would be located on Harriet Street.

Loading

Based on the *SF Guidelines*, the proposed project would generate an average loading demand of 0.02 truck-trips per hour. *Planning Code* Section 152.1 does not require off-street loading for residential

development less than 100,000 square feet. Therefore, off-street loading spaces are not required for the proposed project, which would include 11,775 square feet of residential use. The proposed project would avoid the potential for impacts to adjacent roadways due to loading activities by limiting all long-term and construction loading/staging operations to the existing on-street parking area along Harriet Street. Vehicles performing move in/move out activities would be able to obtain temporary parking permits for loading and unloading operations on Harriet Street.

Pedestrian and Bicycle Conditions

The proposed project would generate approximately 11 p.m. peak-hour pedestrian trips. The proposed project would not cause a substantial amount of pedestrian and vehicle conflicts, as there are adequate sidewalk and crosswalk widths. Pedestrian activity would increase as a result of the project, but not to a degree that could not be accommodated on local sidewalks or would result in safety concerns.

There are no existing or proposed bike lanes on or adjacent to the project site, and no new curb cuts are proposed. In the vicinity of the project site, there are five major Citywide Bicycle Routes. Howard Street comprises a portion of route #62, Folsom Street comprises a portion of route #63, 7th Street a portion of route #23, and 5th Street a portion of route #19. In addition, route #30 also serves both Folsom Street and Howard Street. Although the proposed project would result in an increase in the number of vehicles in the project vicinity, this increase would not substantially affect bicycle travel in the area.

The recently amended (Board of Supervisors Ordinance No. 129-06) *Planning Code* Section 155.5 requires that residential projects of 50 dwelling units or less provide one bicycle space for every two dwelling units. The proposed project includes 23 dwelling units and thus would be required to provide 12 bicycle parking spaces which would be provided inside the ground-floor. In conclusion, the proposed project would not substantially increase pedestrian and bicycle hazards.

In summary, the project would not result in a significant effect with regard to transportation.

Noise

Ambient noise levels in the vicinity of the project site are typical of noise levels in neighborhoods in San Francisco, which are dominated by vehicular traffic, including trucks, cars, Muni buses, emergency vehicles, and land use activities, such as commercial businesses and periodic temporary construction-related noise from nearby development, or street maintenance. Noises generated by residential and commercial uses are common and generally accepted in urban areas. The noise generated by the occupants of the proposed project would not be considered a significant impact of the proposed project. An approximate doubling of traffic volumes in the area would be necessary to produce an increase in ambient noise levels noticeable to most people. The project would not cause a doubling in traffic volumes and therefore would not cause a noticeable increase in the ambient noise level in the project vicinity.

noise insulation features included in the design. According to the Eastern Neighborhoods Final EIR, noise levels on Harriet Street are between 60.1 and 65.0 dBA. Title 24 of the California Code of Regulations establishes uniform noise insulation standards for multi-unit residential projects (including hotels, motels, and live/work developments). This state regulation requires meeting an interior standard of 45 dBA in any habitable room. DBI would review the final building plans to ensure that the building wall and floor/ceiling assemblies for the residential development meet State standards regarding sound transmission for residents.

The Eastern Neighborhoods Final EIR identified a significant impact related to new development including noise-sensitive uses located along streets with noise levels above a day-night average of 60 dBA (Ldn), where such development is not already subject to the California Noise Insulation Standards in Title 24 of the California Code of Regulations. Since the 36-38 Harriet Street project, a multi-unit residential project, is subject to Title 24, *Mitigation Measure F-3: Interior Noise Levels* from the Eastern Neighborhoods Final EIR is not applicable.

The Eastern Neighborhoods Final EIR identified a significant impact related to potential conflicts between existing noise-generating uses and new sensitive receptors, for new development including noise-sensitive uses. Since the proposed project includes noise-sensitive uses with sensitive receptors, *Mitigation Measure F-4: Siting of Noise-Sensitive Uses* (see Project Mitigation Measure 3 on page 27 of this Certificate of Determination) applies to the proposed project. Pursuant to this measure, a noise specialist was hired by the project sponsor to conduct a noise study that included a 24-hour noise measurement and site survey of noise-generating uses within 900 feet of the project site.¹²

The 24-hour noise measurement recorded a day-night noise average of 63 dBA (Ldn), which is comparable to what was forecasted by the noise modeling undertaken by the Department of Public Health, which predicts a traffic noise level of between 60.1 dBA and 65 dBA (Ldn) for the project block. According to the noise study, the only significant noise-generating uses within 900 feet of the site with a direct line-of-sight to the project site are transportation noise sources from Harriet Street and an auto body shop (Bee Automotive Collision Center) across the street. No other noise-generating uses were identified within 900 feet of the site with a direct line-of-sight to the project site.

Given the noise environment, the noise study concluded that it would appear that the interior noise level can typically be maintained below the State standards of 45 dBA (Ldn) by standard residential construction methods with the incorporation of forced-air mechanical ventilation systems in residential units. Preliminary calculations suggest that the residential units nearest Harriet Street would require windows and doors with a minimum Sound Transmission Class rating of 26 STC ($63 - 26 = 37$) and a suitable form of mechanical ventilation to ensure that the interior average noise level of 45 dBA (Ldn) is met as required by the San Francisco Building Code. Therefore, the noise study demonstrates that acceptable interior noise levels consistent with those in the Title 24 standards would be attained by the proposed project and no further acoustical analysis or engineering is required.

¹² Illingworth and Rodkin, Environmental Noise Assessment, 36-38 Harriet Street, September 16, 2010. This document is on file and is available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400, San Francisco, CA.

The Eastern Neighborhoods Final EIR identified a significant impact related to potential conflicts between existing sensitive receptors and new noise-generating uses and determined that *Mitigation Measures F-5: Siting of Noise-Generating Uses* would reduce effects to a less-than-significant level. Since the proposed residential development would not be expected to generate noise levels in excess of ambient noise in the vicinity of the project site, *Mitigation Measure F-5* is not applicable.

Construction noise is regulated by the San Francisco Noise Ordinance (Article 29 of the San Francisco Police Code). The Noise Ordinance requires that construction work be conducted in the following manner: 1) noise levels of construction equipment, other than impact tools, must not exceed 80 dBA at a distance of 100 feet from the source (the equipment generating the noise); 2) impact tools must have intake and exhaust mufflers that are approved by the Director of the Department of Public Works (DPW) to best accomplish maximum noise reduction; and 3) if the noise from the construction work would exceed the ambient noise levels at the site property line by 5 dBA, the work must not be conducted between 8:00 p.m. and 7:00 a.m., unless the Director of DPW authorizes a special permit for conducting the work during that period.

DBI is responsible for enforcing the Noise Ordinance for private construction projects during normal business hours (8:00 a.m. to 5:00 p.m.). The Police Department is responsible for enforcing the Noise Ordinance during all other hours. Nonetheless, during the construction period for the proposed project of approximately 3 months, occupants of the nearby properties could be disturbed by construction noise and possibly vibration. There may be times when noise could interfere with indoor activities in nearby residences and other businesses near the project site and may be considered an annoyance by occupants of nearby properties. The increase in noise in the project area during project construction would not be considered a significant impact of the proposed project because the construction noise would be temporary, intermittent, and restricted in occurrence and level, as the contractor would be obliged to comply with the City's Noise Ordinance.

The Eastern Neighborhoods Final EIR identified a significant impact related to construction noise that would include pile driving and determined that *Mitigation Measure F-1: Construction Noise* would reduce effects to a less-than-significant level. Since construction of the proposed project would not require pile driving, *Mitigation Measure F-1* is not applicable to the proposed project.

In summary, the project would not result in a significant effect with regard to noise.

Air Quality

Project-related demolition, excavation, grading and other construction activities may cause wind-blown dust that could contribute particulate matter into the local atmosphere. The Eastern Neighborhoods Final EIR identified a significant impact related to construction air quality and determined that *Mitigation Measure G-1: Construction Air Quality* would reduce effects to a less-than-significant level. Subsequently, the San Francisco Board of Supervisors approved a series of amendments to the San Francisco Building and Health Codes generally referred hereto as the Construction Dust Control Ordinance (Ordinance 176-08, effective July 30, 2008) with the intent of reducing the quantity of dust generated during site preparation, demolition, and construction work in order to protect the health of the general public and of onsite workers, minimize public nuisance complaints, and to avoid orders to stop work by the

EIR identified a significant impact related to construction air quality and determined that *Mitigation Measure G-1: Construction Air Quality* would reduce effects to a less-than-significant level. Subsequently, the San Francisco Board of Supervisors approved a series of amendments to the San Francisco Building and Health Codes generally referred hereto as the Construction Dust Control Ordinance (Ordinance 176-08, effective July 30, 2008) with the intent of reducing the quantity of dust generated during site preparation, demolition, and construction work in order to protect the health of the general public and of onsite workers, minimize public nuisance complaints, and to avoid orders to stop work by the Department of Building Inspection (DBI). These regulations and procedures set forth by the San Francisco Building Code ensure that potential dust-related air quality impacts would be less than significant. Since the project is required to comply with the Construction Dust Control Ordinance, the project would not result in a significant impact related to construction air quality and *Mitigation Measure G-1* is not applicable.

The Eastern Neighborhoods Final EIR identified a significant impact related to air quality for sensitive land uses and determined that *Mitigation Measure G-2: Air Quality for Sensitive Land Uses* would reduce effects to a less-than-significant level. In response to this concern, Article 38 of the San Francisco Health Code was amended to require that all newly constructed buildings containing ten or more units within the Potential Roadway Exposure Zone perform an Air Quality Assessment to determine whether the PM 2.5¹³ concentration at the project site is greater than 0.2 micrograms per cubic meter (0.2 ug/m³).¹⁴ The project site is not located within the Potential Roadway Exposure Zone, and therefore, *Mitigation Measure G-2* does not apply to the proposed project.

The Eastern Neighborhoods Final EIR identified a significant impact related to siting of uses that emit diesel particulate matter (DPM) and determined that *Mitigation Measure G-3: Siting of Uses that Emit DPM* would reduce these effects to a less-than-significant level. As stated in the Eastern Neighborhoods Final EIR, to minimize potential exposure of sensitive receptors to DPM, for new development including warehousing and distribution centers, commercial, industrial, or other uses that would be expected to be served by at least 100 trucks per day or 40 refrigerated trucks per day, the Planning Department shall require that such uses be located no less than 1,000 feet from residential units and other sensitive receptors. Since the proposed project would not be expected to be served by at least 100 trucks per day or 40 refrigerator trucks per day, the 36-38 Harriet Street project would not be expected to expose sensitive receptors to DPM and *Mitigation Measure G-3* is not applicable.

The Eastern Neighborhoods Final EIR identified a significant impact related to siting of uses that emit toxic air contaminants (TACs) as part of everyday operations and determined that *Mitigation Measure G-4: Siting of Uses that Emit Other TACs* would reduce these effects to a less-than-significant level. Since the proposed project, a residential building with 23 units, would not be expected to generate TACs as part of everyday operations, the 36-38 Harriet Street project would not contribute to this significant impact and *Mitigation Measure G-4* is not applicable.

¹³ PM 2.5 is a measure of smaller particles in the air. PM 10 has been the pollutant particulate level standard against which EPA has been measuring Clean Air Act compliance. On the basis of newer scientific findings, the Agency is considering regulations that will make PM 2.5 the new "standard".

¹⁴ See Board of Supervisors Ordinance No. 281-08, effective January 5, 2009.

Greenhouse Gas Emissions

Gases that trap heat in the atmosphere are referred to as greenhouse gases (GHGs) because they capture heat radiated from the sun as it is reflected back into the atmosphere, much like a greenhouse does. The accumulation of GHGs has been implicated as the driving force for global climate change. The primary GHGs are carbon dioxide, methane, nitrous oxide, ozone, and water vapor.

While the presence of the primary GHGs in the atmosphere are naturally occurring, carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) are largely emitted from human activities, accelerating the rate at which these compounds occur within earth's atmosphere. Emissions of carbon dioxide are largely by-products of fossil fuel combustion, whereas methane results from off-gassing associated with agricultural practices and landfills. Other GHGs include hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride, and are generated in certain industrial processes. Greenhouse gases are typically reported in "carbon dioxide-equivalent" measures (CO₂E).¹⁵

There is international scientific consensus that human-caused increases in GHGs have and will continue to contribute to global warming. Potential global warming impacts in California may include, but are not limited to, loss in snow pack, sea level rise, more extreme heat days per year, more high ozone days, more large forest fires, and more drought years. Secondary effects are likely to include a global rise in sea level, impacts to agriculture, changes in disease vectors, and changes in habitat and biodiversity.¹⁶

The California Air Resources Board (ARB) estimated that in 2006 California produced about 484 million gross metric tons of CO₂E (MMTCO₂E), or about 535 million U.S. tons.¹⁷ The ARB found that transportation is the source of 38 percent of the State's GHG emissions, followed by electricity generation (both in-state and out-of-state) at 22 percent and industrial sources at 20 percent. Commercial and residential fuel use (primarily for heating) accounted for 9 percent of GHG emissions.¹⁸ In the Bay Area, fossil fuel consumption in the transportation sector (on-road motor vehicles, off-highway mobile sources, and aircraft) and the industrial and commercial sectors are the two largest sources of GHG emissions, each accounting for approximately 36 percent of the Bay Area's 95.8 MMTCO₂E emitted in 2007.¹⁹ Electricity generation accounts for approximately 16 percent of the Bay Area's GHG emissions followed by residential fuel usage at 7 percent, off-road equipment at 3 percent and agriculture at 1 percent.²⁰

¹⁵ Because of the differential heat absorption potential of various GHGs, GHG emissions are frequently measured in "carbon dioxide-equivalents," which present a weighted average based on each gas's heat absorption (or "global warming") potential.

¹⁶ California Climate Change Portal. Frequently Asked Questions About Global Climate Change. Available online at: <http://www.climatechange.ca.gov/publications/faqs.html>. Accessed March 2, 2010.

¹⁷ California Air Resources Board, "California Greenhouse Gas Inventory for 2000-2006— by Category as Defined in the Scoping Plan." http://www.arb.ca.gov/cc/inventory/data/tables/ghg_inventory_scopingplan_2009-03-13.pdf. Accessed March 2, 2010.

¹⁸ Ibid.

¹⁹ Bay Area Air Quality Management District, Source Inventory of Bay Area Greenhouse Gas Emissions: Base Year 2007, Updated: February 2010. Available online at:

http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/Emission%20Inventory/regionalinventory2007_2_10.ashx

Accessed March 2, 2010.

²⁰ Ibid.

Senate Bill 97 (SB 97) requires the Office of Planning and Research (OPR) to amend the state CEQA guidelines to address the feasible mitigation of GHG emissions or the effects of GHGs. The Natural Resources Agency adopted OPR's CEQA guidelines on December 30, 2009, amending various sections of the guidelines to provide guidance for analyzing GHG emissions. Specifically, the amendments add a new section to the CEQA Checklist (CEQA Guidelines Appendix G) to address questions regarding the project's potential to emit GHGs. OPR's amendments to the CEQA Guidelines have been incorporated into this analysis accordingly.

Project Greenhouse Gas Emissions. The most common GHGs resulting from human activity are CO₂, CH₄, and N₂O.²¹ State law defines GHGs to also include hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. These latter GHG compounds are usually emitted in industrial processes and are therefore not applicable to the proposed project. Individual projects contribute to the cumulative effects of climate change by emitting GHGs during their construction and operational phases. Both direct and indirect GHG emissions are generated by project operations. Operational emissions include GHG emissions from new vehicle trips and area sources (natural gas combustion). Indirect emissions include emissions from electricity providers, energy required to pump, treat, and convey water, and emissions associated with landfill operations.

The proposed project would increase the activity on the project site by constructing a residential building on a vacant surface parking lot. Therefore, the proposed project would contribute to annual long-term increases in GHGs as a result of increased vehicle trips (mobile sources) and building operations associated with energy use, water use and wastewater treatment, and solid waste disposal.

San Francisco has been actively pursuing cleaner energy, alternative transportation, and solid waste policies, many of which have been codified into the regulations listed above. In an independent review of San Francisco's community-wide emissions it was reported that San Francisco has achieved a 5 percent reduction in community-wide GHG emissions below the Kyoto Protocol 1990 baseline levels. The 1997 Kyoto Protocol sets a greenhouse gas reduction target of 7 percent below 1990 levels by 2012. The "community-wide inventory" includes greenhouse gas emissions generated by San Francisco by residents, businesses, and commuters, as well as municipal operations. The inventory also includes emissions from both transportation and building energy sources.²²

As infill development, the proposed project would be constructed in an urban area with good transit access, reducing regional vehicle trips and vehicle miles traveled. Given that San Francisco has implemented binding and enforceable programs to reduce GHG emissions applicable to the proposed project and that San Francisco's sustainable policies have resulted in the measured success of reduced

²¹ Governor's Office of Planning and Research. *Technical Advisory- CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review*. June 19, 2008. Available at <http://www.opr.ca.gov/ceqa/pdfs/june08-ceqa.pdf>. Accessed March 3, 2010.

²² *City and County of San Francisco: Community GHG Inventory Review*. August 1, 2008. IFC International, 394 Pacific Avenue, 2nd Floor, San Francisco, CA 94111. Prepared for City and County of San Francisco, Department of the Environment.

GHG emissions levels, the proposed project's GHG emissions would result in a less than significant impact.

Consistency with Applicable Plans. Both the State and the City of San Francisco have adopted programs for reducing greenhouse gas emissions, as discussed below.

Assembly Bill 32. In 2006, the California legislature passed Assembly Bill No. 32 (California Health and Safety Code Division 25.5, Sections 38500 et seq., or AB 32), also known as the Global Warming Solutions Act. AB 32 requires the ARB to design and implement emission limits, regulations, and other measures, such that feasible and cost-effective statewide GHG emissions are reduced to 1990 levels by 2020 (representing a 25 percent reduction in emissions).

Pursuant to AB 32, the ARB adopted a Scoping Plan in December 2008, outlining measures to meet the 2020 GHG reduction limits. In order to meet these goals, California must reduce its GHG emissions by 30 percent below projected 2020 business as usual emissions levels, or about 15 percent from today's levels.²³ The Scoping Plan estimates a reduction of 174 million metric tons of CO₂E (MMTCO₂E) (about 191 million U.S. tons) from the transportation, energy, agriculture, forestry, and high global warming potential sectors (see table below). The ARB has identified an implementation timeline for the GHG reduction strategies in the Scoping Plan.²⁴ Some measures may require new legislation to implement, some will require subsidies, some have already been developed, and some will require additional effort to evaluate and quantify. Additionally, some emissions reductions strategies may require their own environmental review under CEQA or the National Environmental Policy Act (NEPA).

GHG Reductions from the AB 32 Scoping Plan	
Reduction Measures	GHG Reductions (MMT CO ₂ E)
Reduction Measures By Sector	
Transportation	62.3
Electricity and natural gas	49.7
Industry	1.4
Landfill methane control measure (discrete early action)	1
Forestry	5
High global warming potential GHGs	20.2
Additional reductions needed to achieve the GHG cap	34.4
Total	174
Other Recommended Measures	
Government operations	1-2
Agriculture - methane capture at large dairies	1

²³ ARB, California's Climate Plan: Fact Sheet. Available online at: http://www.arb.ca.gov/cc/facts/scoping_plan_fs.pdf. Accessed March 4, 2010.

²⁴ California Air Resources Board. AB 32 Scoping Plan. Available Online at: http://www.arb.ca.gov/cc/scopingplan/sp_measures_implementation_timeline.pdf. Accessed March 2, 2010.

Methane capture at large dairies	1
Additional GHG Reduction Measures	
Water reduction measures	4.8
Green buildings measures	26
High recycling/zero waste measures: commercial recycling, composting, anaerobic digestion, extended producer responsibility, and environmentally preferable purchasing	9
Total	42.8-43.8

Source: ARB, California’s Climate Plan: Fact Sheet, “Balanced and Comprehensive Mix of Measures.”

AB 32 also anticipates that local government actions will result in reduced GHG emissions. The ARB has identified a GHG reduction target of 15 percent from current levels for local governments themselves, and notes that successful implementation of the plan relies on local governments’ land use planning and urban growth decisions. This is because local governments have primary authority to plan, zone, approve, and permit land development to accommodate population growth and the changing needs of their jurisdictions.

The Scoping Plan relies on the requirements of Senate Bill 375 (SB 375) to implement the carbon emission reductions anticipated from land use decisions. SB 375 was enacted to align local land use and transportation planning to further achieve the State’s GHG reduction goals. SB 375 requires regional transportation plans, developed by Metropolitan Planning Organizations (MPOs), to incorporate a “sustainable communities strategy” in their regional transportation plans (RTPs) that would achieve GHG emission reduction targets set by the ARB. SB 375 also includes provisions for streamlined CEQA review for some infill projects such as transit-oriented development. SB 375 would be implemented over the next several years, and the Metropolitan Transportation Commission’s 2013 RTP would be its first plan subject to SB 375.

City and County of San Francisco GHG Reduction Strategy. In addition to the State’s GHG reduction strategy (AB 32), the City has developed its own strategy to address greenhouse gas emissions on a local level. The vision of the strategy is expressed in the City’s Climate Action Plan, however implementation of the strategy is appropriately articulated within other citywide plans (General Plan, Sustainability Plan, etc.), policies (Transit-First Policy, Precautionary Principle Policy, etc.), and regulations (Green Building Ordinance, etc.). The following plans, policies, and regulations highlight some of the main components of San Francisco’s GHG reduction strategy.

Overall GHG Reduction Sector

San Francisco Sustainability Plan. In July 1997 the Board of Supervisors approved the Sustainability Plan for the City of San Francisco establishing sustainable development as a fundamental goal of municipal public policy.

The Climate Action Plan for San Francisco. In February 2002, the San Francisco Board of Supervisors passed the Greenhouse Gas Emissions Reduction Resolution (Number 158-02) committing the City and County of San Francisco to a GHG emissions reduction goal of 20 percent below 1990 levels by the year 2012. In September 2004, the San Francisco

Department of the Environment and the Public Utilities Commission published the Climate Action Plan for San Francisco: Local Actions to Reduce Greenhouse Emissions.²⁵ The Climate Action Plan provides the context of climate change in San Francisco and examines strategies to meet the 20 percent GHG reduction target. Although the Board of Supervisors has not formally committed the City to perform the actions addressed in the Plan, and many of the actions require further development and commitment of resources, the Plan serves as a blueprint for GHG emission reductions, and several actions have been implemented or are now in progress.

Greenhouse Gas Reduction Ordinance. In May 2008, the City of San Francisco adopted an ordinance amending the San Francisco Environment Code to establish City GHG emission targets and departmental action plans, to authorize the Department of the Environment to coordinate efforts to meet these targets, and to make environmental findings. The ordinance establishes the following GHG emission reduction limits for San Francisco and the target dates to achieve them:

Determine 1990 City GHG emissions by 2008, the baseline level with reference to which target reductions are set;

Reduce GHG emissions by 25 percent below 1990 levels by 2017;

Reduce GHG emissions by 45 percent below 1990 levels by 2025; and

Reduce GHG emissions by 80 percent below 1990 levels by 2050.

The ordinance also specifies requirements for City departments to prepare departmental Climate Action Plans that assess, and report to the Department of the Environment, GHG emissions associated with their department's activities and activities regulated by them, and prepare recommendations to reduce emissions. As part of this, the San Francisco Planning Department is required to: (1) update and amend the City's applicable General Plan elements to include the emissions reduction limits set forth in this ordinance and policies to achieve those targets; (2) consider a project's impact on the City's GHG reduction limits specified in this ordinance as part of its review under CEQA; and (3) work with other City departments to enhance the "transit first" policy to encourage a shift to sustainable modes of transportation thereby reducing emissions and helping to achieve the targets set forth by this ordinance.

Transportation Sector

Transit First Policy. In 1973 San Francisco instituted the Transit First Policy (Article 8A, Section 8A.115. of the City Charter) with the goal of reducing the City's reliance on freeways and meeting transportation needs by emphasizing mass transportation. The Transit First Policy gives priority to public transit investments; adopts street capacity and parking policies to discourage increased automobile traffic; and encourages the use of transit, bicycling and walking rather than use of single-occupant vehicles.

San Francisco Municipal Transportation Agency's Zero Emissions 2020 Plan. The SFMTA's Zero Emissions 2020 plan focuses on the purchase of cleaner transit buses including hybrid diesel-electric buses. Under this plan hybrid buses will replace the oldest diesel buses, some dating back to 1988. The hybrid buses emit 95 percent less particulate matter (PM, or soot) than the buses they replace, they produce 45 percent less oxides of nitrogen (NOx), and they reduce GHGs by 30 percent.

San Francisco Municipal Transportation Agency's Climate Action Plan. In November 2007 voters passed Proposition A, requiring the SFMTA to develop a plan to reach a 20 percent GHG reduction below 1990 levels by 2012 for the City's entire transportation sector, not merely in the SFMTA's internal operations. SFMTA has prepared a Draft Climate Action Plan outlining measures needed to achieve these targets.

Commuter Benefit Ordinance. The Commuter Benefit Ordinance (Environment Code, Section 421), effective January 19, 2009, requires all employers in San Francisco that have 20 or more employees to offer one of the following benefits: (1) A Pre-tax Transit Benefit, (2) Employer Paid Transit Benefits, or (3) Employer Provided Transit.

²⁵ San Francisco Department of the Environment and San Francisco Public Utilities Commission, Climate Action Plan for San Francisco, Local Actions to Reduce Greenhouse Emissions, September 2004.

The City's Planning Code reflects the latest smart growth policies and includes: electric vehicle refueling stations in city parking garages, bicycle storage facilities for commercial and office buildings, and zoning that is supportive of high density mixed-use infill development. The City's more recent area plans, such as Rincon Hill and the Market and Octavia Area Plan, provide transit-oriented development policies. At the same time there is also a community-wide focus on ensuring San Francisco's neighborhoods as "livable" neighborhoods, including the Better Streets Plan that would improve San Francisco's streetscape, the Transit Effectiveness Plan, that aims to improve transit service, and the Bicycle Plan, all of which promote alternative transportation options.

Renewable Energy

The Electricity Resource Plan (Revised December 2002). San Francisco adopted the Electricity Resource Plan to help address growing environmental health concerns in San Francisco's southeast community, home of two power plants. The plan presents a framework for assuring a reliable, affordable, and renewable source of energy for the future of San Francisco.

Go Solar SF. On July 1, 2008, the San Francisco Public Utilities Commission (SFPUC) launched their "GoSolarSF" program to San Francisco's businesses and residents, offering incentives in the form of a rebate program that could pay for approximately half the cost of installation of a solar power system, and more to those qualifying as low-income residents. The San Francisco Planning Department and Department of Building Inspection have also developed a streamlining process for Solar Photovoltaic (PV) Permits and priority permitting mechanisms for projects pursuing LEED® Gold Certification.

Green Building

LEED® Silver for Municipal Buildings. In 2004, the City amended Chapter 7 of the Environment code, requiring all new municipal construction and major renovation projects to achieve LEED® Silver Certification from the US Green Building Council.

City of San Francisco's Green Building Ordinance. On August 4, 2008, Mayor Gavin Newsom signed into law San Francisco's Green Building Ordinance for newly constructed residential and commercial buildings and renovations to existing buildings. The ordinance specifically requires newly constructed commercial buildings over 5,000 square feet (sq. ft.), residential buildings over 75 feet in height, and renovations on buildings over 25,000 sq. ft. to be subject to an unprecedented level of LEED® and green building certifications, which makes San Francisco the city with the most stringent green building requirements in the nation. Cumulative benefits of this ordinance includes reducing CO2 emissions by 60,000 tons, saving 220,000 megawatt hours of power, saving 100 million gallons of drinking water, reducing waste and stormwater by 90 million gallons of water, reducing construction and demolition waste by 700 million pounds, increasing the valuations of recycled materials by \$200 million, reducing automobile trips by 545,000, and increasing green power generation by 37,000 megawatt hours.²⁶

Waste Reduction

Zero Waste. In 2004, the City of San Francisco committed to a goal of diverting 75 percent of its' waste from landfills by 2010, with the ultimate goal of zero waste by 2020. San Francisco currently recovers 72 percent of discarded material.

Construction and Demolition Debris Recovery Ordinance. In 2006 the City of San Francisco adopted Ordinance No. 27-06, requiring all construction and demolition debris to be transported to a registered facility that can divert a minimum of 65 percent of the material from landfills. This ordinance applies to all construction, demolition, and remodeling projects within the City.

Universal Recycling and Composting Ordinance. Signed into law on June 23, 2009, this ordinance requires all residential and commercial building owners to sign up for recycling and composting services. Any property owner or manager who fails to maintain and pay for adequate trash, recycling, and composting service is subject to liens, fines, and other fees.

²⁶

These findings are contained within the final Green Building Ordinance, signed by the Mayor August 4, 2008.

The City has also passed ordinances to reduce waste from retail and commercial operations. Ordinance 295-06, the Food Waste Reduction Ordinance, prohibits the use of polystyrene foam disposable food service ware and requires biodegradable/compostable or recyclable food service ware by restaurants, retail food vendors, City Departments, and City contractors. Ordinance 81-07, the Plastic Bag Reduction Ordinance, requires many stores located within the City and County of San Francisco to use compostable plastic, recyclable paper and/or reusable checkout bags.

AB 32 contains a comprehensive approach for developing regulations to reduce statewide GHG emissions. The ARB acknowledges that decisions on how land is used will have large effects on the GHG emissions that will result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas sectors. Many of the measures in the Scoping Plan—such as implementation of increased fuel efficiency for vehicles (the “Pavley” standards), increased efficiency in utility operations, and development of more renewable energy sources—require statewide action by government, industry, or both.

Some of the Scoping Plan measures are at least partially applicable to development projects, such as increasing energy efficiency in new construction, installation of solar panels on individual building roofs, and a “green building” strategy. As evidenced above, the City has already implemented several of these measures that require local government action, such as the Green Building Ordinance, a zero waste strategy, the Construction and Demolition Debris Recovery Ordinance, and a solar energy generation subsidy program, to realize meaningful reductions in GHG emissions. These programs (and others not listed) collectively comprise San Francisco’s GHG reduction strategy and continue San Francisco’s efforts to reduce the City’s greenhouse gas emissions to 20 percent below 1990 levels by the year 2012, a goal outlined in the City’s 2004 Climate Action Plan. The City’s GHG reduction strategy also furthers the State’s efforts to reduce statewide GHG emissions as mandated by AB 32.

The proposed project would be required to comply with GHG reduction regulations as discussed above, as well as applicable AB 32 Scoping Plan measures that are ultimately adopted and become effective during implementation of proposed project. Given that the City has adopted numerous GHG reduction strategies recommended in the AB 32 Scoping Plan; that the City’s GHG reduction strategy includes binding, enforceable measures to be applied to development projects, such as the proposed project; and that the City’s GHG reduction strategy has produced measurable reductions in GHG emissions, the proposed project would not conflict with either the state or local GHG reduction strategies. In addition, the proposed project would not conflict with any plans, policies, or regulations adopted for the purpose of reducing GHG emissions. Therefore, the proposed project would have a less-than-significant impact with respect to GHG emissions.

In summary, the project proposes to construct a residential building on a vacant surface parking lot. The proposed project would contribute to the cumulative effects of climate change by emitting greenhouse gases (GHGs) during construction and operational phases. Construction of the proposed project is estimated at approximately three months. Project operations would generate both direct and indirect GHG emissions. Direct operational emissions include GHG emissions from vehicle trips and area sources (natural gas combustion). Indirect emissions include emissions from electricity providers, energy required to pump, treat, and convey water, and emissions associated with landfill operations.

The project site is located within the East SOMA area plan analyzed under the Eastern Neighborhoods Rezoning EIR. The Eastern Neighborhoods Rezoning EIR assessed the GHG emissions that could result from rezoning of the East SOMA area plan under the three rezoning options. The Eastern Neighborhoods Rezoning Options A, B and C are anticipated to result in GHG emissions on the order of 4.2, 4.3 and 4.5 metric tons of carbon dioxide equivalents (CO₂E)²⁷ per service population²⁸, respectively.²⁹ The Eastern Neighborhoods EIR concluded that the resulting GHG emissions from the three options analyzed in the Eastern Neighborhoods Area Plans would be less than significant. The Eastern Neighborhoods EIR adequately addressed greenhouse gas emissions and the resulting emissions were determined to be less than significant. Therefore, the project would not result in any significant impacts related to GHG emissions.

Shadow

The project site is located approximately 50 feet from the South of Market/Gene Friend Recreation Center (SOMA Recreation Center), which is approximately 44,337 square feet in size and fronts on Sixth, Folsom, and Harriet Streets. The SOMA Recreation Center is under the jurisdiction of the Department of Recreation and Parks. The southwest half of the SOMA Recreation Center is comprised of outdoor facilities, including a basketball court, a parking area, mature trees, benches, a play structure, a pedestrian pathway and a grass lawn, while the northeast half of the site is dominated by a one-story recreation center building that fronts on Sixth Street. Figure 1, below, is an aerial image of the SOMA Recreation Center annotated to show these features. The recreation center (hereinafter also referred to as the "park") currently has some shadow from existing buildings, and there are also a number of mature trees along the edges of the park that create shade.

Section 295 of the *Planning Code* was adopted in response to Proposition K (passed in November 1984) to protect certain public open spaces (under Recreation and Park jurisdiction) from shadow by new structures during the period between one hour after sunrise and one hour before sunset, year-round. Section 295 restricts new shadow on public spaces under the jurisdiction of the Recreation and Park Department by any structure exceeding 40 feet in height unless the Planning Commission finds the impact not to be significant and adverse. Shadow limits have been developed for some Section 295 parks in the Downtown area; however, no shadow limit has been identified for the SOMA Recreation Center.

Pursuant to the Eastern Neighborhoods Rezoning and Area Plans, the height limits in the East SOMA subarea, in which the project site is located, were raised from 40 feet to up to 85 feet.³⁰ A shadow analysis

²⁷ Greenhouse gas emissions are typically measured in CO₂E, or carbon dioxide equivalents. This common metric allows for the inclusion of the global warming potential of other greenhouse gases. Land use project's, such as this, may also include emissions from methane (CH₄) and nitrous oxide (N₂O), therefore greenhouse gas emissions are typically reported at CO₂E.

²⁸ SP= Service Population. Service population is the equivalent of total number of residents + employees.

²⁹ *Greenhouse Gas Analyses for Community Plan Exemptions in Eastern Neighborhoods*. April 20, 2010. Memorandum from Jessica Range, MEA to MEA staff. This memorandum provides an overview of the GHG analysis conducted for the Eastern Neighborhoods Rezoning EIR and provides an analysis of the emissions using a service population metric.

³⁰ However, the height limit for the project site was decreased from 50 feet to 45 feet.

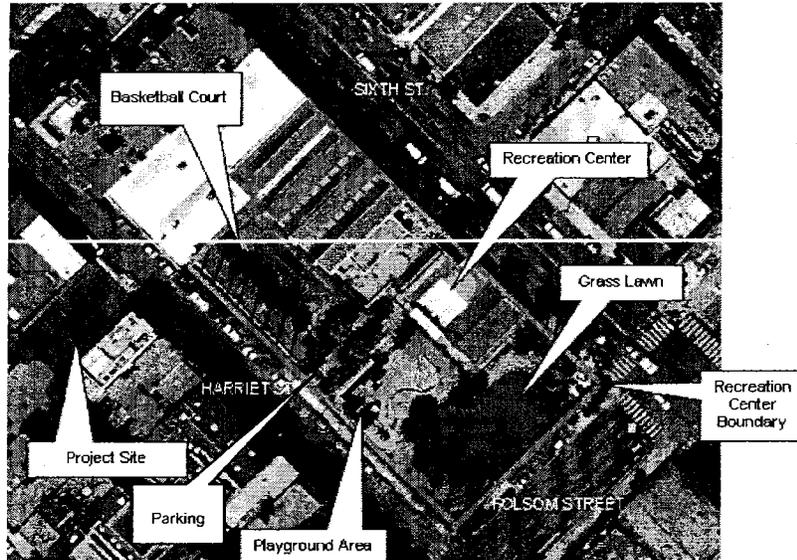


Figure 1. Aerial View of South of Market/Gene Friend Recreation Center

Source: Google Earth 2010
Not to scale

conducted for the Eastern Neighborhoods Area Plan EIR addressed potential impacts to the SOMA Recreation Center.³¹ The shadow analysis in that EIR found that under existing conditions during the summer solstice, the park would be in full sun from 7:55 AM until 2:15 PM (along the northern edge of the park) and 5:45 PM (along the western edge of the park). The EIR also found that up to 100 percent of the park could be shaded at the last Section 295 minute in winter and up to 80 percent of the park could be shaded at the last Section 295 minute in summer with full build-out in accordance with existing height limits. The Eastern Neighborhoods EIR notes that Section 295 would limit potential new shadow impacts on SOMA Recreation Center and that new shadow impacts would be evaluated on a project-specific basis, but that without detailed development proposals, the potential for new shadow impacts could not be determined and the EIR concluded that increasing heights as part of the rezoning effort could potentially result in significant shadow impacts on SOMA Recreation Center, requiring individual projects to undergo a detailed shadow analysis.

To determine whether this project would comply with Section 295, a shadow fan analysis was prepared by the Planning Department. This analysis determined that the proposed project has the potential to

³¹ *Eastern Neighborhoods Rezoning and Area Plans Final Environmental Impact Report*, Planning Department Case No. 2004.0160E, certified August 7, 2008. The FEIR is on file for public review at the Planning Department, 1650 Mission Street Suite 400 as part of Case No. 2004.0160E, or at: http://www.sfgov.org/site/planning_index.asp?id=67762.

impact properties protected by the ordinance by casting net new shadow on the SOMA Recreation Center and that a more precise shadow analysis is required.³²

A more refined project-specific analysis was conducted for the proposed project by CADP Associates³³ to determine the project's shadow impact on the SOMA Recreation Center. The shadow analysis analyzed the proposed project, which is 45 feet tall, and also a 40-foot-tall building. The 40-foot-tall building analysis was conducted to compare the proposed project against new shadow that would be exempt from Section 295 of the *Planning Code* (shadow from buildings less than 40 feet tall). The shadow analysis found that the proposed 45-foot-tall building would mainly affect the basketball court, with early evening impacts to the playground and to a small patch of lawn area at certain times of the year. Shadow impacts would occur in generally the last three hours of the day before sunset and during the summer months reducing duration to within approximately the last 30 minutes before one hour prior to sunset.

During the equinox (approximately September to March 21), new shadow from the proposed 45-foot-tall building on the park would begin at 3:30 PM and would fill in a band of sunlight between the existing shadows falling on the basketball court. During the summer solstice (June 21), new shadow would begin at 5:15 PM, initially falling on the corner of the basketball court and then falling on a small portion of the lawn area at the end of the day. The new shadow would not reach the playground area until the last 30 minutes of the last hour prior to sunset. During winter solstice (December 20), new shadow would begin at 3:30 PM, filling in a thin sliver of sunlight between existing shadows falling on the basketball court. The new shadow would only fall for approximately the last 30 minutes of the last hour prior to sunset.

The maximum shadow impact on a specific day and time from the proposed 45-foot-tall building would be on August 2nd when new shadow would be cast on the park between 4:45 PM and 7:31 PM. On this day, new shadow would reach a maximum area of approximately 3,706 square feet of the park (or 8.4 percent), though on average just 1,631 square feet or 3.7 percent of the park would be affected during the roughly two hours and 45 minutes of shadow impact. Therefore, at its greatest extent at a single time, the new shadow would not cover a substantial area of the park. Figure 2 shows the shade that would be cast upon the park during this period. This new shadow would generally affect less than a quarter size of the grass lawn area and less than half of the playground area. The shadow analysis found that the theoretically available amount of sunlight (TAAS) on the SOMA Recreation Center is approximately 164,997,014 square feet.³⁴ The project would add approximately 731,481 square feet of new shade, resulting in a 0.44 percent (less than one half of one percent) decrease in the theoretically available sunlight.

As discussed above, a second analysis was conducted for a 40-foot-tall building, which would be exempt from Section 295 of the *Planning Code*. A 40-foot building would add approximately 586,300 square feet of

³² Diego Sanchez, San Francisco Planning Department, letter dated March 24, 2010 (Case No. 2010.0128K) Shadow Analysis. A copy of this document is available for public review at the Planning Department, 1650 Mission Street, Suite 400, San Francisco, California, as a part of Case File No. 2010.0128E.

³³ Adam Noble, CADP Associates. *42-48 Harriet Street Shadow Analysis*, April 22, 2010. This document is available for public review at the Planning Department, 1650 Mission Street, Suite 400, as part of Case File No. 2010.0128E.

³⁴ TAAS does not account for shadows cast by existing buildings.

new shade, reducing the theoretically available sunlight by 0.36 percent (approximately one third of one percent). When considering the shadow caused by the 40-foot-tall building as an existing shadow casting element, the proposed five-foot building height increase would result in a 0.08 percent (less than one tenth of one percent) net decrease of theoretically available sunlight. Figure 2 shows the difference between shadow cast by a 40-foot building versus the proposed project during the highest shadow impact period.

In order to understand the amount of new shade cast on the SOMA Recreation Center attributable to the proposed project, additional shadow analysis was prepared which considered existing buildings only³⁵. Figure 2 shows the greatest amount of new shade on SOMA Recreation Center at 7:31 PM on August 2nd. The shadow analysis did not include certain existing shade casting elements which include the existing palm trees that line the edges of the park or the existing palm trees that are located between the basketball court and the playground area. These trees considerably contribute to the existing shade on the project site.

The proposed project will be presented to both the Recreation and Parks Commission and then the Planning Commission for a determination of the project's shadow impact on the SOMA Recreation Center, under Section 295 of the *Planning Code*.

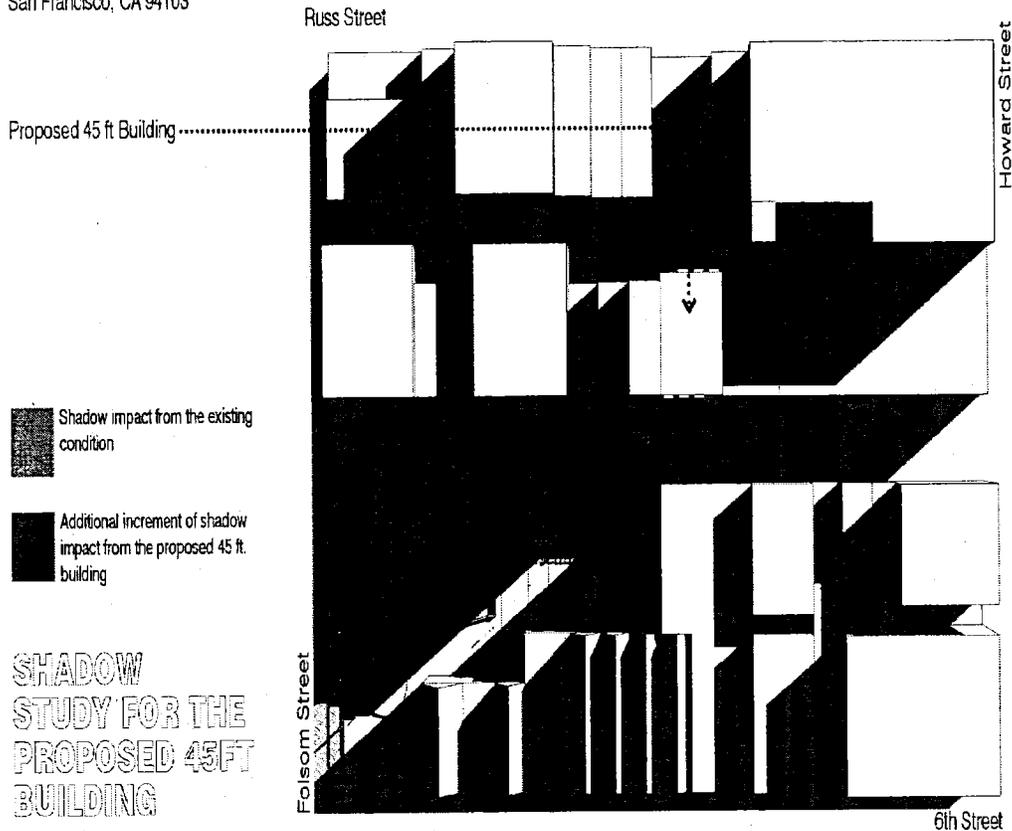
Under CEQA, a project is considered to have a significant shadow impact if the project would create new shadow in a manner that substantially affects outdoor recreation facilities or other public areas. The new shadow created by the proposed project would not be substantial. The new shadow impact would occur during the last three hours of the day before sunset and during the summer months reducing duration to within approximately the last 30 minutes before one hour prior to sunset. The proposed project would decrease the potential theoretical sunlight availability by only 0.44 percent (which is less than one half of one percent) by adding 731,481 square feet of net new shadow throughout the year. However, since the existing shade-casting elements, such as the existing palm trees that line the edges of the park or the existing palm trees that are located between the basketball court and the playground area, were not considered in the shadow analysis, the net new shading would actually be less than 731,481 square feet.

In summary, new shadow from the proposed project on the SOMA Recreation Center would be relatively minimal. New shadow would mainly fall on the basketball court, but would not be considered substantial as the new shadow would never shade more than a ¼ of the court at any one time, and would not impair the use of the basketball court. The project would result in new shade on portions of the playground and the lawn area, but only towards the end of the day at certain times of the year. Because new additional shadow would occur for a relatively short duration per day and would cover relatively small areas during portions of the year, the new shadow would not be expected to preclude or substantially reduce the use of the outdoor facilities, which includes the basketball court, the playground, and the lawn area, at the SOMA Recreation Center.

³⁵ Adam Noble, CADP Associates. *42-48 Harriet Street Shadow Analysis*, April 22, 2010. This document is available for public review at the Planning Department, 1650 Mission Street, Suite 400, as part of Case File No. 2010.0128E.

SmartSpace®
36-38 Harriet Street
San Francisco, CA 94103

AUGUST 2ND
7:31 PM



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Figure 2. Proposed Project Shadow Impact on SOMA Recreation Center June 21st, 7:30 PM

Source: CADP, LLC.
Not to scale

The existing shadows from the buildings directly across (southwest) from the park are not likely to change as there are no undeveloped lots apart from the project site and thus it is unlikely that the blocks immediately across (southwest) from the SOMA Recreation Center would be the subject of additional development in the near future. Therefore, the proposed project's new shadow impact would not be cumulatively considerable, as development of the surrounding lots are not likely to be redeveloped in the near future.

Section 295 of the *Planning Code* does not provide protection of sunlight for non-Recreation and Park properties or private open space properties. However, these properties are evaluated under CEQA. Other public spaces that would be affected by the shadow caused by the proposed project include public

sidewalks in the project vicinity. The proposed project would be similar in height to the existing adjacent buildings to the east and would be approximately twice as tall as the existing adjacent buildings to the west. Therefore, the proposed project would increase shadow on Harriet Street. However, the proposed project would not increase the total amount of shading in the neighborhood above levels that are common and generally accepted in urban areas. While an increase in shadow at any time of the year may be regarded as an adverse change to those affected, it would not be considered a substantial increase or significant adverse effect under CEQA.

In light of the above, the proposed project's potential to increase shadow in the project vicinity would be both individually and cumulatively less than significant.

Mitigation Measures

In accordance with Eastern Neighborhoods Final EIR requirements, the project sponsor has agreed to implement the following mitigation measures.

Project Mitigation Measure 1 – Archeological Resources (J-2: Properties With No Previous Studies in the Eastern Neighborhoods Rezoning and Area Plans Final EIR)

The following mitigation measure is required to avoid any potential adverse effect from the proposed project on accidentally discovered buried or submerged historical resources as defined in *CEQA Guidelines* Section 15064.5(a)(c). The project sponsor shall distribute the Planning Department archeological resource "ALERT" sheet to the project prime contractor; to any project subcontractor (including demolition, excavation, grading, foundation, pile driving, etc. firms); or utilities firm involved in soils disturbing activities within the project site. Prior to any soils disturbing activities being undertaken each contractor is responsible for ensuring that the "ALERT" sheet is circulated to all field personnel including, machine operators, field crew, pile drivers, supervisory personnel, etc. The project sponsor shall provide the Environmental Review Officer (ERO) with a signed affidavit from the responsible parties (prime contractor, subcontractor(s), and utilities firm) to the ERO confirming that all field personnel have received copies of the Alert Sheet.

Should any indication of an archeological resource be encountered during any soils disturbing activity of the project, the project Head Foreman and/or project sponsor shall immediately notify the ERO and shall immediately suspend any soils disturbing activities in the vicinity of the discovery until the ERO has determined what additional measures should be undertaken.

If the ERO determines that an archeological resource may be present within the project site, the project sponsor shall retain the services of a qualified archeological consultant. The archeological consultant shall advise the ERO as to whether the discovery is an archeological resource, retains sufficient integrity, and is of potential scientific/historical/cultural significance. If an archeological resource is present, the archeological consultant shall identify and evaluate the archeological resource. The archeological consultant shall make a recommendation as to what action, if any, is warranted. Based on this information, the ERO may require, if warranted, specific additional measures to be implemented by the project sponsor.

Measures might include: preservation in situ of the archeological resource; an archaeological monitoring program; or an archeological testing program. If an archeological monitoring program or archeological testing program is required, it shall be consistent with the Major Environmental Analysis (MEA) division

guidelines for such programs. The ERO may also require that the project sponsor immediately implement a site security program if the archeological resource is at risk from vandalism, looting, or other damaging actions.

The project archeological consultant shall submit a Final Archeological Resources Report (FARR) to the ERO that evaluates the historical significance of any discovered archeological resource and describing the archeological and historical research methods employed in the archeological monitoring/data recovery program(s) undertaken. Information that may put at risk any archeological resource shall be provided in a separate removable insert within the final report.

Copies of the Draft FARR shall be sent to the ERO for review and approval. Once approved by the ERO, copies of the FARR shall be distributed as follows: California Archaeological Site Survey Northwest Information Center (NWIC) shall receive one (1) copy and the ERO shall receive a copy of the transmittal of the FARR to the NWIC. The Major Environmental Analysis division of the Planning Department shall receive three copies of the FARR along with copies of any formal site recordation forms (CA DPR 523 series) and/or documentation for nomination to the National Register of Historic Places/California Register of Historical Resources. In instances of high public interest or interpretive value, the ERO may require a different final report content, format, and distribution than that presented above.

Project Mitigation Measure 2 – Historical Resources (Mitigation Measure K-1: Interim Procedures for Permit Review in the Eastern Neighborhoods Rezoning and Area Plans Final EIR)

Projects involving new construction or alteration over 55 feet, or 10 feet taller than adjacent buildings built before 1963, shall be forwarded to the Historic Preservation Commission (HPC) for review and comment during a regularly scheduled hearing. As previously mentioned, the Department presented the proposed project to the HPC on October 6, 2010, and the HPC concluded that the proposed project would not have a significant effect on the adjacent potential historic resource at 34-40 Harriet Street or the potential historic district. Therefore, Project Mitigation Measure 2 has already been implemented.

Project Mitigation Measure 3 – Noise (Mitigation Measure F-4: Siting of Noise-Sensitive Uses in the Eastern Neighborhoods Rezoning and Area Plans Final EIR)

New development with noise-sensitive uses require the preparation of an analysis that includes, at a minimum, a site survey to identify potential noise-generating uses within 900 feet of, and that have a direct line-of-sight to, the project site, and including at least one 24-hour noise measurement (with maximum noise level readings taken at least every 15 minutes), prior to the first project approval action. The analysis shall demonstrate with reasonable certainty that Title 24 standards, where applicable, can be met, and that there are no particular circumstances about the proposed project site that appear to warrant heightened concern about noise levels in the vicinity. Should such concerns be present, the Department may require the completion of a detailed noise assessment by person(s) qualified in acoustical analysis and/or engineering prior to the first project approval action, in order to demonstrate that acceptable interior noise levels consistent with those in the Title 24 standards can be attained. Illingworth and Rodkin conducted a noise study that demonstrated that the proposed project can attain Title 24 standards. Therefore, Project Mitigation Measure 3 has already been implemented.

Public Notice and Comment

A "Notification of Project Receiving Environmental Review" was mailed on May 14, 2010 to owners of properties within 300 feet of the project site and adjacent occupants. One member of the public expressed

concern related to soil. A geotechnical report was reviewed by Planning and is discussed on page 12 of the Community Plan Exemption Checklist.³⁶ Final building plans would be reviewed by the Department of Building Inspection (DBI), and potential damage to structures from geologic hazards on the project site would be mitigated through the DBI requirement for a geotechnical report and review of the building permit application pursuant to DBI implementation of the Building Code. The proposed project would not result in a significant effect related to geology.

Conclusion

With the exception of hazards and hazardous materials, the Eastern Neighborhoods Final EIR incorporated and adequately addressed all potential impacts of the proposed 36-38 Harriet Street project. As described above, and except for hazards and hazardous materials, the 36-38 Harriet Street project would not have any additional or peculiar significant adverse effects not examined in the Eastern Neighborhoods Final EIR, nor has any new or additional information come to light that would alter the conclusions of the Eastern Neighborhoods Final EIR. Thus, with the exception of hazards and hazardous materials, the proposed 36-38 Harriet Street project would not have any new significant or peculiar effects on the environment not previously identified in the Final EIR for the Eastern Neighborhoods Rezoning and Area Plans, nor would any environmental impacts be substantially greater than described in the Eastern Neighborhoods Final EIR. No mitigation measures previously found infeasible have been determined to be feasible, nor have any new mitigation measures or alternatives been identified but rejected by the project sponsor. Therefore, in addition to being exempt from environmental review under Section 15183 of the CEQA Guidelines, the proposed project is also exempt under Section 21083.3 of the California Public Resources Code. Due to the peculiar impact found concerning hazards and hazardous materials, a Focused Mitigated Negative Declaration has been prepared for that topic area only.³⁷

³⁶ San Francisco Planning Department, Community Plan Exemption Checklist, 36-38 Harriet Street, November 10, 2010. This document is on file and is available for review as part of Case File No. 2010.0128E at 1650 Mission Street, Suite 400, San Francisco, CA.

³⁷ Preliminary Mitigated Negative Declaration, 36-38 Harriet Street, November 10, 2010. This document is on file and available for review as part of Case File No. 2010.0128E at the San Francisco Planning Department, 1650 Mission Street, Suite 400.

Community Plan Exemption Checklist

Case No.: 2010.0128E
Project Address: 36-38 Harriet Street (formerly 42-48 Harriet Street)
Zoning: MUG (Mixed Use-General) and RED (Residential Enclave District)
Youth and Family Zone Special Use District
45-X Height and Bulk District
Block/Lot: Block 3731; Lots 101 and 102
Lot Size: 1,238 and 2,512 square feet, respectively
Plan Area: East SOMA Subarea of the Eastern Neighborhoods
Project Sponsor: Cara Houser, Panoramic Interests, (510) 883-1000
Staff Contact: Don Lewis – (415) 575-9095, don.lewis@sfgov.org

A. PROJECT DESCRIPTION

The project sponsor proposes to demolish a vacant surface parking lot and construct a new, 45-foot-tall, four-story, 11,775-square-foot residential building with 23 SRO (Single Room Occupancy) condominium units. Five of the SRO units would be at the ground-floor level while floors 2 through 4 would each have six SRO units. The project would not provide off-street parking. The 3,750-square-foot project site is located on the southwest side of Harriet Street between Folsom and Howard Streets within the South of Market (SOMA) neighborhood. The project site is also within the East SOMA subarea of the Eastern Neighborhoods Rezoning and Area Plan and within the proposed Western SOMA Light Industrial and Residential Historic District.

B. EVALUATION OF ENVIRONMENTAL EFFECTS

This Community Plan Exemption Checklist examines the potential environmental impacts that would result from implementation of the proposed project and indicates whether any such impacts are addressed in the applicable Programmatic EIR (PEIR) for the plan area (i.e., the Eastern Neighborhoods Rezoning and Area Plans Final EIR).¹ Items checked "Sig. Impact Identified in PEIR" identify topics for which a significant impact is identified in the PEIR. In such cases, the analysis considers whether the proposed project would result in impacts that would contribute to the impact identified in the PEIR. If the analysis concludes that the proposed project would contribute to a significant impact identified in the PEIR, the item is checked "Proj. Contributes to Sig. Impact Identified in PEIR." Mitigation measures identified in the PEIR applicable to the proposed project are identified in the text for each topic area.

¹ *Eastern Neighborhoods Rezoning and Area Plans Final Environmental Impact Report*, Planning Department Case No. 2004.0160E, certified August 7, 2008. The FEIR is on file for public review at the Planning Department, 1650 Mission Street Suite 400 as part of Case No. 2004.0160E, or at: http://www.sfgov.org/site/planning_index.asp?id=67762.

Items checked "Project Has Sig. Peculiar Impact" identify topics for which the proposed project would result in a significant impact that is peculiar to the project, i.e., the impact is not identified as significant in the PEIR. Any impacts not identified in the PEIR will be addressed in a separate Focused Initial Study or EIR.

All items for which the PEIR identified a significant impact or the project would have a significant peculiar impact are also checked "Addressed Below," and are discussed.

Topics for which the PEIR identified a significant program-level impact are addressed in the CPE Certification of Determination. Project impacts for all other topics are discussed in the CPE Checklist.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
1. LAND USE AND LAND USE PLANNING— Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial impact upon the existing character of the vicinity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please see the Certificate of Determination for discussion of this topic.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
2. AESTHETICS—Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and other features of the built or natural environment which contribute to a scenic public setting?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area or which would substantially impact other people or properties?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The Eastern Neighborhoods Final EIR evaluated three land use options “alternatives” and under each of these options, it was not anticipated that the proposed project would substantially damage scenic resources that contribute to a scenic public setting. As a proposed rezoning and planning process the project would not directly result in any physical damage. Rather, any changes in urban form and visual quality would be the secondary result of individual development projects that would occur subsequent to the adoption of changes in zoning and community plans.

With respect to views, the Eastern Neighborhoods Final EIR found that while development pursuant to the Plan would result in height increases and use district changes, the rezoning would not substantially degrade the views and new development up to the proposed height limits may even help define the street edge and better frame urban views. The Plan would not be considered to result in a significant adverse impact with regard to views. New construction in the Project area would generate additional night lighting but not in amounts unusual in industrial zones and within developed urban areas in general. Thus, the Final EIR concluded that light and glare impacts would be less than significant.

The proposed project would replace an existing vacant, surface parking lot with a 45-foot-tall residential building. While the new building would change the visual appearance of the site, it would not substantially degrade its visual character or quality. Furthermore, the proposed building would not be substantially taller than the existing development in the project vicinity and thus, would not obstruct longer-range views from various locations in the Plan Area and the City as a whole.

Design and aesthetics are by definition subjective, and open to interpretation by decision-makers and members of the public. A proposed project would, therefore, be considered to have a significant adverse effect on visual quality only if it would cause a substantial and demonstrable negative change. The proposed project would not have such change. As described above, the proposed building envelope meets Planning Code requirements for the MUG and RED zoning districts.

The proposed project would be visible from some residential and commercial buildings within the project site vicinity. Some reduced views on private property would be an unavoidable consequence of the proposed project and would be an undesirable change for those individuals affected. Nonetheless, the change in views would not exceed that commonly expected in an urban setting, and the loss of those private views would not constitute a significant impact under CEQA.

In summary, the project would not result in a significant effect with regard to aesthetics.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
3. POPULATION AND HOUSING— Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing units or create demand for additional housing, necessitating the construction of replacement housing?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

One of the objectives of the Eastern Neighborhoods Rezoning and Area Plans Final EIR (FEIR) was to identify appropriate locations for housing in the City's industrially zoned land to meet a citywide need for more housing. According to the FEIR, the rezoning would not create a substantial demand for additional housing in San Francisco, or substantially reduce the housing supply. The proposed project would increase the population on site by constructing 23 SRO (Single Room Occupancy) dwelling units. This increase in population would not be expected to have an adverse physical environmental impact.

The proposed project is not anticipated to create a substantial demand for increased housing as the project does not propose a commercial use. Additionally, the proposed project would not displace substantial numbers of people because the project site is currently a vacant parking lot. As such, construction of replacement housing would not be necessary.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
4. CULTURAL AND PALEONTOLOGICAL RESOURCES—Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5, including those resources listed in Article 10 or Article 11 of the San Francisco Planning Code?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please see the Certificate of Determination for discussion of this topic.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
5. TRANSPORTATION AND CIRCULATION— Would the project:				
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways (unless it is practical to achieve the standard through increased use of alternative transportation modes)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels, obstructions to flight, or a change in location, that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Result in inadequate parking capacity that could not be accommodated by alternative solutions?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., conflict with policies promoting bus turnouts, bicycle racks, etc.), or cause a substantial increase in transit demand which cannot be accommodated by existing or proposed transit capacity or alternative travel modes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please see the Certificate of Determination for discussion of this topic.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
6. NOISE—Would the project:				
a) Result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan area, or, where such a plan has not been adopted, in an area within two miles of a public airport or public use airport, would the project expose people residing or working in the area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) For a project located in the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Be substantially affected by existing noise levels?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please see the Certificate of Determination for discussion of this topic.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
7. AIR QUALITY				
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal, state, or regional ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please see the Certificate of Determination for discussion of this topic.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
8. GREENHOUSE GAS EMISSIONS— Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Although the PEIR did not identify a significant impact for this topic, please see the Certificate of Determination for the discussion.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
9. WIND AND SHADOW—Would the project:				
a) Alter wind in a manner that substantially affects public areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Create new shadow in a manner that substantially affects outdoor recreation facilities or other public areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Wind

Based on consideration of the height and location of the proposed 45-foot-tall building, the proposed project does not have the potential to cause significant changes to the wind environment in pedestrian areas adjacent or near the project site. As a result, the proposed project would not have any significant wind impacts.

Shadow

Please see the Certificate of Determination for discussion of this topic.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
10. RECREATION—Would the project:				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Physically degrade existing recreational resources?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed project would provide on-site open space for passive recreational use for project residents through a combination of a common outdoor space. The project location is served by the following existing parks: South of Market/Gene Friend Recreation Center (one block away), the Victoria Manalo Davies Park (one block away), the Hallidie Plaza (seven blocks away), and the Civic Center Plaza (ten blocks away). With the projected addition of 23 SRO dwelling units, the proposed project would be expected to generate minimal additional demand for recreational facilities. The increase in demand would not be in excess of amounts expected and provided for in the area and the City as a whole. The additional use of the recreational facilities would be relatively minor compared with the existing use and therefore, the proposed project would not result in substantial physical deterioration of existing recreational resources. Thus, the proposed project would not result in significant impacts, either individually or cumulatively, in regard to recreation facilities, nor require the construction or expansion of public recreation facilities.

<u>Topics:</u>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
11. UTILITIES AND SERVICE SYSTEMS—Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supply available to serve the project from existing entitlements and resources, or require new or expanded water supply resources or entitlements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider that would serve the project that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed project would not exceed wastewater treatment requirements of the Regional Water Quality Control Board and would not require the construction of new wastewater/storm water treatment facilities or expansion of existing ones. The proposed project would have sufficient water supply available from existing entitlement, and solid waste generated by project construction and operation would not result in the landfill exceeding its permitted capacity, and the project would not result in a significant solid waste generation impact. Utilities and service systems would not be adversely affected by the project, individually or cumulatively, and no significant impact would ensue.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
12. PUBLIC SERVICES— Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of, or the need for, new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any public services such as fire protection, police protection, schools, parks, or other services?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The proposed project would not substantially increase demand for police or fire protection services and would not necessitate new school facilities in San Francisco. The proposed project would not result in a significant impact to public services.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
13. BIOLOGICAL RESOURCES— Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The project site is a paved, surface parking lot that is located in a developed urban area which does not support or provide habitat for any rare or endangered wildlife species, animal, or plant life or habitat, and would not interfere with any resident or migratory species. Accordingly, the proposed project would result in no impact on sensitive species, special status species, native or migratory fish species, or wildlife species. The project would not result in any significant effect with regard to biology, nor would the project contribute to any potential cumulative effects on biological resources.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
14. GEOLOGY AND SOILS— Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Be located on geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code, creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Change substantially the topography or any unique geologic or physical features of the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The maximum depth of soil disturbing activities would be two feet below ground surface. It is anticipated that the building would be constructed on a mat foundation on unimproved soils. The completed project would not alter the overall topography of the site.

A geotechnical investigation has been performed for the proposed project.² The project site is underlain by about 18 ½ to 19 feet of loose to medium dense sand fill. Below the fill, soft to medium stiff marine clay (Bay Mud) was encountered to depths ranging from approximately 38 to 50 feet below the existing ground surface. The Bay Mud is underlain by interbedded clay, clayey sand, silty sand, and sands that extend to the maximum depth explored (58 feet).

The primary geotechnical issues to be addressed during design of the proposed building are (i) the potential for liquefaction and lateral spreading of the soil underlying the site, and (ii) the presence of soft, compressible Bay Mud extending to a depth of up to 50 feet beneath the site. The geotechnical report recommends three options to address the seismically induced settlement: 1) construct the mat on unimproved soil and plan to level the building by mud jacking, if necessary, following a major earthquake; 2) mitigate the liquefaction and lateral spreading potential by soil improvement; and 3) support the building on deep foundations. It was noted that Options #2 and #3 would reduce, but not eliminate the potential for building damage during a major earthquake, and that the project sponsor prefers the first option as previously mentioned.

The final building plans would be reviewed by the Department of Building Inspection (DBI). In reviewing building plans, the DBI refers to a variety of information sources to determine existing hazards and assess requirements for mitigation. Sources reviewed include maps of Special Geologic Study Areas and known landslide areas in San Francisco as well as the building inspectors' working knowledge of areas of special geologic concern. Potential geologic hazards would be mitigated during the permit review process through these measures. To ensure compliance with all Building Code provisions regarding structure safety, when DBI reviews the geotechnical report and building plans for a proposed project, they will determine the adequacy of necessary engineering and design features. The above-referenced geotechnical investigation would be available for use by the DBI during its review of building permits for the site. Also,

² Rockridge Geotechnical, "Geotechnical Investigation, Proposed Residential Building, 36-38 Harriet Street, San Francisco, California," April 9, 2010. This report is available for review at the San Francisco Planning Department, 1650 Mission Street, Suite 400, in Project File No. 2010.0128E.

DBI could require that additional site-specific soils report(s) be prepared in conjunction with permit applications, as needed. Therefore, potential damage to structures from geologic hazards on the project site would be mitigated through the DBI requirement for a geotechnical report and review of the building permit application pursuant to DBI implementation of the Building Code.

The proposed project would not result in a significant effect related to geology, either individually or cumulatively.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
15. HYDROLOGY AND WATER QUALITY— Would the project:				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion of siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other authoritative flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
j) Expose people or structures to a significant risk of loss, injury or death involving inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The project site is completely covered by an existing asphalt surface parking lot and would be covered by the proposed residential building. The proposed project would not change the amount of impervious surface area on the site and runoff and drainage would not be adversely affected. Effects related to water resources would not be significant, either individually or cumulatively.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
16. HAZARDS AND HAZARDOUS MATERIALS				
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please see the Focused Initial Study for the discussion of this topic.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
17. MINERAL AND ENERGY RESOURCES— Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Encourage activities which result in the use of large amounts of fuel, water, or energy, or use these in a wasteful manner?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The proposed project would not result in a significant physical environmental effect with respect to mineral and energy resources.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
18. AGRICULTURE AND FOREST RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.				
— Would the project				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)) or timberland (as defined by Public Resources Code Section 4526)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The project site does not contain agricultural uses and is not zoned for such uses. Therefore, the proposed project would not result in any significant impacts related to agricultural resources.

<i>Topics:</i>	<i>Sig. Impact Identified in PEIR</i>	<i>Project Contributes to Sig. Impact Identified in PEIR</i>	<i>Project Has Sig. Peculiar Impact</i>	<i>Addressed Below</i>
19. MANDATORY FINDINGS OF SIGNIFICANCE— Would the project:				
a) Have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have impacts that would be individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The proposed project would replace a vacant surface parking lot with a new residential building. The new building would include 23 dwelling units and would be 45 feet in height. The project would provide approximately 750 square feet of common outdoor open space. As discussed in this document, and with the exception of hazards and hazardous materials, the proposed project would not result in new, peculiar environmental effects, or effects of greater severity than were

already and disclosed in the Eastern Neighborhoods Final EIR. A Focused Initial Study has been prepared for the hazards and hazardous materials topic.³

³ San Francisco Planning Department Focused Initial Study, 36-38 Harriet Street, November 10, 2010. A copy of this document is available for public review at the Planning Department, 1650 Mission Street, Suite 400, San Francisco, as part of Case File No. 2010.0128E.

C. DETERMINATION

On the basis of this review, it can be determined that:

- The proposed project qualifies for consideration of a Community Plan exemption based on the applicable General Plan and zoning requirements; **AND**
- All potentially significant individual or cumulative impacts of the proposed project were identified in the applicable programmatic EIR (PEIR) for the Plan Area, and all applicable mitigation measures have been or incorporated into the proposed project or will be required in approval of the project.
- The proposed project may have a potentially significant impact not identified in the PEIR for the topic area(s) identified above, but that this impact can be reduced to a less-than-significant level in this case because revisions in the project have been made by or agreed to by the project proponent. A focused Initial Study and **MITIGATED NEGATIVE DECLARATION** is required, analyzing the effects that remain to be addressed.
- The proposed project may have a potentially significant impact not identified in the PEIR for the topic area(s) identified above. An **ENVIRONMENTAL IMPACT REPORT** is required, analyzing the effects that remain to be addressed.



Bill Wycko
Environmental Review Officer
for
John Rahaim, Planning Director

DATE November 10, 2010

**EXHIBIT A:
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Mitigation Measures Adopted As Conditions of Approval	Responsibility for Implementation	Mitigation Schedule	Monitoring/Report Responsibility	Status/Date Completed
1. Historical Resources (Mitigation Measure K-1: Interim Procedures for Permit Review in the Eastern Neighborhoods Rezoning and Area Plans Final EIR)				
<p>Projects involving new construction or alteration over 55 feet, or 10 feet taller than adjacent buildings built before 1963, shall be forwarded to the Historic Preservation Commission (HPC) for review and comment during a regularly scheduled hearing. The Department presented the proposed project to the HPC on October 6, 2010, and the HPC concluded that the proposed project would not have a significant effect on the adjacent potential historic resource at 34-40 Harriet Street or the potential historic district. Therefore, this mitigation measure has already been implemented.</p>	Project sponsor	Prior to CEQA Determination.	Project sponsor	October 6, 2010
2. Archeological Resources (J-2: Properties With No Previous Studies in the Eastern Neighborhoods Rezoning and Area Plans Final EIR)				
<p>The project sponsor shall distribute the Planning Department archeological resource "ALERT" sheet to the project prime contractor; to any project subcontractor (including demolition, excavation, grading, foundation, pile driving, etc. firms); or utilities firm involved in soils disturbing activities within the project site. Prior to any soils disturbing activities being undertaken each contractor is responsible for ensuring that the "ALERT" sheet is circulated to all field personnel including, machine operators, field crew, pile drivers, supervisory personnel, etc. The project sponsor shall provide the Environmental Review Officer (ERO) with a signed affidavit from the responsible parties (prime contractor, subcontractor(s), and utilities firm) to the ERO confirming that all field personnel have received copies of the "ALERT" Sheet.</p>	Project sponsor and construction contractor(s).	Prior to any soils-disturbing activity.	Distribution of "ALERT" sheet among contractors and crew; project sponsor to provide ERO with a signed affidavit.	Prior to any soils-disturbing activity. Considered complete upon ERO approval of affidavit.

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<p>Should any indication of an archeological resource be encountered during any soils disturbing activity of the project, the project Head Foreman and/or project sponsor shall immediately notify the ERO and shall immediately suspend any soils disturbing activities in the vicinity of the discovery until the ERO has determined what additional measures should be undertaken.</p>	<p>Head Foreman and project sponsor.</p>	<p>During any soils-disturbing activity.</p>	<p>Notification of ERO if any archeological resources encountered.</p>	<p>During any soils-disturbing activity. Considered complete upon notification of ERO.</p>
<p>If the ERO determines that an archeological resource may be present within the project site, the project sponsor shall retain the services of a qualified archeological consultant. The archeological consultant shall advise the ERO as to whether the discovery is an archeological resource, retains sufficient integrity, and is of potential scientific/historical/cultural significance. If an archeological resource is present, the archeological consultant shall identify and evaluate the archeological resource. The archeological consultant shall make a recommendation as to what action, if any, is warranted. Based on this information, the ERO may require, if warranted, specific additional measures to be implemented by the project sponsor.</p> <p>Measures might include: preservation in situ of the archeological resource; an archaeological monitoring program; or an archeological testing program. If an archeological monitoring program or archeological testing program is required, it shall be consistent with the Major Environmental Analysis (MEA) division guidelines for such programs. The ERO may also require that the project sponsor immediately implement a site security program if the archeological resource is at risk from vandalism, looting, or other damaging actions.</p>	<p>Project sponsor and archeological consultant.</p>	<p>Before resumption of any soils-disturbing activity (if suspended).</p>	<p>Archeological consultant shall advise the ERO and ERO may require additional measures.</p>	<p>Prior to resumption of soils-disturbing activity. Considered complete upon ERO approval of archeological consultant's recommendations.</p>
<p>The project archeological consultant shall submit a Final Archeological Resources Report (FARR) to the ERO that evaluates the historical significance of any discovered archeological resource and describing the archeological and historical research methods employed in the archeological monitoring/data recovery program(s) undertaken. Information that may put at risk any archeological resource shall be provided in a separate removable insert within the final report.</p>	<p>Project sponsor and archeological consultant.</p>	<p>Following completion of any required archaeological field program.</p>	<p>Archeological consultant submits draft FARR to ERO for approval.</p>	<p>Prior to issuance of final certificate of occupancy. Considered complete upon ERO approval of draft FARR.</p>

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<p>Copies of the Draft FARR shall be sent to the ERO for review and approval. Once approved by the ERO, copies of the FARR shall be distributed as follows: California Archaeological Site Survey Northwest Information Center (NWIC) shall receive one (1) copy and the ERO shall receive a copy of the transmittal of the FARR to the NWIC. The Major Environmental Analysis division of the Planning Department shall receive three copies of the FARR along with copies of any formal site recordation forms (CA DPR 523 series) and/or documentation for nomination to the National Register of Historic Places/California Register of Historical Resources. In instances of high public interest or interpretive value, the ERO may require a different final report content, format, and distribution than that presented above.</p>	<p>Project sponsor and archeological consultant.</p>	<p>Following completion of FARR.</p>	<p>Distribute FARR. Submittal to ERO of affidavit of FARR distribution.</p>	<p>Prior to resumption of soils-disturbing activities. Considered complete upon Planning Department receipt of report.</p>

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3. Hazards and Hazardous Materials				
<p>3a) UST Removal and/or Monitoring</p> <p>In accordance with San Francisco Health Code Article 21, the project sponsor shall file an application with the San Francisco Department of Public Health (DPH) for removal and/or monitoring of any UST that are identified during project construction. If the proposed excavation activities encounter groundwater, the groundwater shall also be tested for contaminants. Copies of the test results shall be submitted to the DPH, Division of Environmental Health, and to the Planning Department, prior to the start of construction.</p> <p>If contamination or abandoned tanks are encountered, the project sponsor shall immediately notify the DPH, Division of Environmental Health, and shall take all necessary steps to ensure the safety of site workers and members of the public. USTs shall be removed by an appropriate licensed UST contractor under permit by the Hazardous Materials Unified Program Agency (HMUPA) and the San Francisco Fire Department. Imported fill shall be characterized to be below residential ESLs. A health and safety plan shall be submitted two weeks prior to the commencement of work. EHS-HWU requires confirmatory sampling to occur following excavation of the site to confirm the removal of contaminated soils. These steps shall include implementation of a health and safety plan prepared by a qualified professional, and disposal of any contaminated soils removed from the site at an approved facility. In addition, the project shall be constructed, so that all remaining site soils are entirely encapsulated beneath a concrete slab. If confirmation testing following site excavation indicates that contaminated soils remain on site, a deed restriction notifying subsequent property owners of the contamination and the necessity of maintaining the cap, shall be executed, prior to a certificate of occupancy.</p>	Project sponsor	Prior to removal of any undiscovered USTs.	Sponsor or contractor shall submit a "Certificate of Closure" received from the DPH, under auspice of RWQCB, to Planning Department and DBI.	Considered complete upon receiving "Certificate of Closure" from DPH.

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<p>3b) Testing for and Handling of Contaminated Soil</p> <p>Step 1: Handling, Hauling, and Disposal of Contaminated Soils</p> <p>(a) <u>Specific work practices</u>: If, based on the results of the soil tests conducted, DPH determines that the soils on the project site are contaminated at or above potentially hazardous levels, the construction contractor shall be alert for the presence of such soils during excavation and other construction activities on the site (detected through soil odor, color, and texture and results of on-site soil testing), and shall be prepared to handle, profile (i.e., characterize), and dispose of such soils appropriately (i.e., as dictated by local, state, and federal regulations) when such soils are encountered on the site. If excavated materials contain over one percent friable asbestos, they shall be treated as hazardous waste, and shall be transported and disposed of in accordance with applicable State and federal regulations. These procedures are intended to mitigate any potential health risks related to chrysotile asbestos, which may or may not be located on the site.</p> <p>(b) <u>Dust suppression</u>: Soils exposed during excavation for site preparation and project construction activities shall be kept moist throughout the time they are exposed, both during and after construction work hours.</p> <p>(c) <u>Surface water runoff control</u>: Where soils are stockpiled, visqueen shall be used to create an impermeable liner, both beneath and on top of the soils, with a berm to contain any potential surface water runoff from the soil stockpiles during inclement weather.</p> <p>(d) <u>Soils replacement</u>: If necessary, clean fill or other suitable material(s) shall be used to bring portions of the project site, where contaminated soils have been excavated and removed, up to construction grade.</p> <p>(e) <u>Hauling and disposal</u>: Contaminated soils shall be hauled off the project site by waste hauling trucks appropriately certified with the</p>	<p>Project sponsor and construction contractor(s)</p>	<p>Prior to excavation and during demolition, excavation, and construction.</p>	<p>If SMP indicates no contaminants in the soil and DPH concurs, then no monitoring required. If DPH determines presence of contaminants or if project sponsor assumes presence of contaminants, then contractor shall take the indicated mitigation action, and shall provide DPH weekly reports during the construction period.</p>	<p>Prior to excavation; or prior to excavation and during demolition, excavation, and construction. Considered complete if DPH determines the absence of contaminants and if project sponsor assumes the same. Otherwise, considered complete upon receipt by DPH of final monitoring plan.</p>

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<p>State of California and adequately covered to prevent dispersion of the soils during transit, and shall be disposed of at a permitted hazardous waste disposal facility registered with the State of CA.</p>				
<p>Step 2: Preparation of Closure/Certification Report</p> <p>After construction activities are completed, the project sponsor shall prepare and submit a closure/certification report to DPH for review and approval. The closure/certification report shall include the mitigation measures in the SMP for handling and removing contaminated soils from the project site, whether the construction contractor modified any of these mitigation measures, and how and why the construction contractor modified those mitigation measures.</p>	<p>Project sponsor and construction contractor</p>	<p>During demolition, excavation, and construction.</p>	<p>Project sponsor to provide DPH with final closure/certification report.</p>	<p>During demolition, excavation, and construction. Considered complete upon receipt of final monitoring report at completion of construction.</p>

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<p>3c) Disposal of Contaminated Soil, Site Health and Safety Plan</p> <p>If, based on the results of the soil tests conducted, the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, any contaminated soils designated as hazardous waste and required by DPH to be excavated shall be removed by a qualified Removal Contractor and disposed of at a regulated Class I hazardous waste landfill in accordance with U.S. Environmental Protection Agency regulations, as stipulated in the Site Mitigation Plan. The Removal Contractor shall obtain, complete, and sign hazardous waste manifests to accompany the soils to the disposal site. Other excavated soils shall be disposed of in an appropriate landfill, as governed by applicable laws and regulations, or other appropriate actions shall be taken in coordination with the DPH.</p>	<p>Project sponsor and construction contractor</p>	<p>During demolition, excavation, and construction.</p>	<p>If SMP indicates no contaminants in the soil and DPH concurs, then no action required. If DPH determines presence of contaminants, then contractor shall take the indicated action, and shall submit weekly monitoring reports to DPH during the construction period.</p>	<p>During demolition, excavation, and construction. Considered complete if DPH determines the absence of contaminants. Otherwise, considered complete upon receipt by DPH of final monitoring plan.</p>

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 (Including the Text of the Mitigation Measures Adopted as Conditions of Approval)**

Mitigation Measures Adopted As Conditions of Approval	Responsibility for Implementation	Mitigation Schedule	Monitoring/Report Responsibility	Status/Date Completed
<p>If the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, a Site Health and Safety (H&S) Plan shall be required by the California Division of Occupational Safety and Health (Cal-OSHA) prior to initiating any earth-moving activities at the site. The Site Health and Safety Plan shall identify protocols for managing soils during construction to minimize worker and public exposure to contaminated soils. The protocols shall include at a minimum:</p> <p>Sweeping of adjacent public streets daily (with water sweepers) if any visible soil material is carried onto the streets.</p> <p>Characterization of excavated native soils proposed for use on site prior to placement to confirm that the soil meets appropriate standards.</p> <p>The dust controls specified in the Construction Dust Control Ordinance (176-08).</p> <p>Protocols for managing stockpiled and excavated soils.</p> <p>The Site Health and Safety Plan shall identify site access controls to be implemented from the time of surface disruption through the completion of earthwork construction. The protocols shall include as a minimum:</p>	<p>Project sponsor and construction contractor</p>	<p>During demolition, excavation, and construction.</p>	<p>If SMP indicates no contaminants in the soil and DPH concurs, then no action required. If DPH determines presence of contaminants, then an H&S Plan would be required, which shall meet certain requirements.</p>	<p>During demolition, excavation, and construction. Considered complete if DPH determines the absence of contaminants. Otherwise, considered complete upon receipt by DPH of final monitoring plan.</p>

**EXHIBIT A:
 MITIGATION MONITORING AND REPORTING PROGRAM
 (Including the Text of the Mitigation Measures Adopted as Conditions of Approval)**

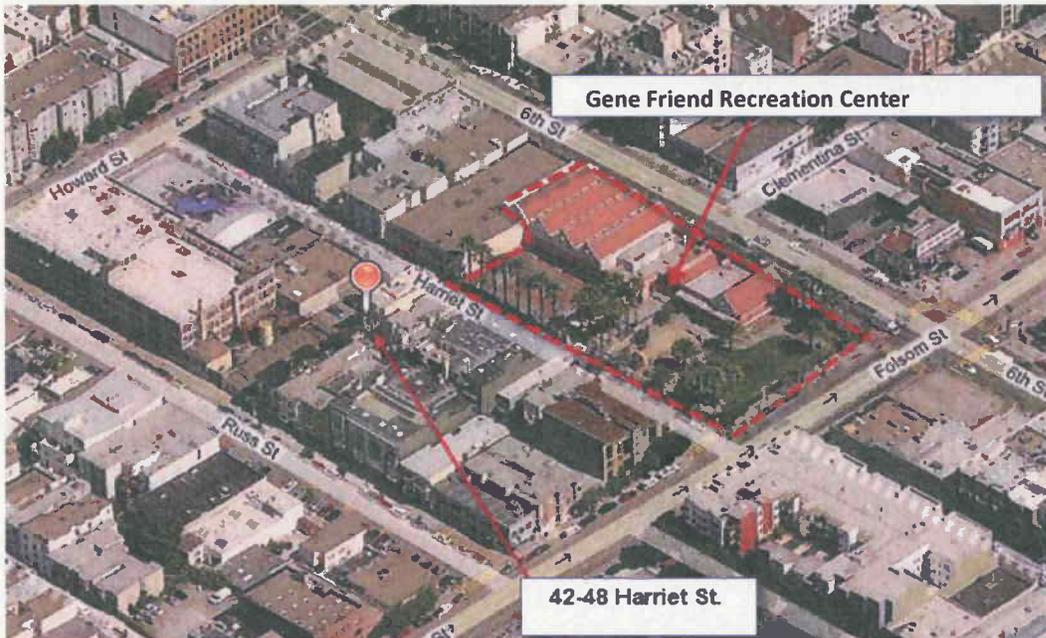
Mitigation Measures Adopted As Conditions of Approval	Responsibility for Implementation	Mitigation Schedule	Monitoring/Report Responsibility	Status/Date Completed
<p>Appropriate site security to prevent unauthorized pedestrian/vehicular entry, such as fencing or other barrier or sufficient height and structural integrity to prevent entry and based upon the degree of control required.</p> <p>Posting of "no trespassing" signs.</p> <p>Providing on-site meetings with construction workers to inform them about security measures and reporting/contingency procedures.</p> <p>If groundwater contamination is identified, the Site Health and Safety Plan shall identify protocols for managing groundwater during construction to minimize worker and public exposure to contaminated groundwater. The protocols shall include procedures to prevent unacceptable migration of contamination from defined plumes during dewatering.</p> <p>The Site Health and Safety Plan shall include a requirement that construction personnel be trained to recognize potential hazards associated with underground features that could contain hazardous substances, previously unidentified contamination, or buried hazardous debris. Excavation personnel shall also be required to wash hands and face before eating, smoking, and drinking.</p> <p>The Site Health and Safety Plan shall include procedures for implementing a contingency plan, including appropriate notification and control procedures, in the event unanticipated subsurface hazards are discovered during construction. Control procedures shall include, but would not be limited to, investigation and removal of underground storage tanks or other hazards.</p>	<p>Project sponsor and construction contractor</p>	<p>During demolition, excavation, and construction.</p>	<p>If SMP indicates no contaminants in the soil and DPH concurs, then no action required. If DPH determines presence of contaminants, then an H&S Plan would be required, which shall meet certain requirements.</p>	<p>During demolition, excavation, and construction. Considered complete if DPH determines the absence of contaminants. Otherwise, considered complete upon receipt by DPH of final monitoring plan.</p>

**EXHIBIT A:
 MITIGATION MONITORING AND REPORTING PROGRAM
 (Including the Text of the Mitigation Measures Adopted as Conditions of Approval)**

Mitigation Measures Adopted As Conditions of Approval	Responsibility for Implementation	Mitigation Schedule	Monitoring/Report Responsibility	Status/Date Completed
<p>3d) Decontamination of Vehicles</p> <p>If the DPH determines that the soils on the project site are contaminated with contaminants at or above potentially hazardous levels, all trucks and excavation and soil handling equipment shall be decontaminated following use and prior to removal from the site. Gross contamination shall be first removed through brushing, wiping, or dry brooming. The vehicle or equipment shall then be washed clean (including tires). Prior to removal from the work site, all vehicles and equipment shall be inspected to ensure that contamination has been removed.</p>	Project sponsor	After equipment use and prior to removal from the work site.	If required by the DPH, the project sponsor shall follow measures to decontaminate soils and transportation vehicles.	Considered complete on issuance of building permit.
<p>4. Noise (Mitigation Measure F-4: Siting of Noise-Sensitive Uses in the Eastern Neighborhoods Rezoning and Area Plans Final EIR)</p>				
<p>New development with noise-sensitive uses require the preparation of an analysis that includes, at a minimum, a site survey to identify potential noise-generating uses within 900 feet of, and that have a direct line-of-sight to, the project site, and including at least one 24-hour noise measurement (with maximum noise level readings taken at least every 15 minutes), prior to the first project approval action. The analysis shall demonstrate with reasonable certainty that Title 24 standards, where applicable, can be met, and that there are no particular circumstances about the proposed project site that appear to warrant heightened concern about noise levels in the vicinity. Should such concerns be present, the Department may require the completion of a detailed noise assessment by person(s) qualified in acoustical analysis and/or engineering prior to the first project approval action, in order to demonstrate that acceptable interior noise levels consistent with those in the Title 24 standards can be attained. Illingworth and Rodkin conducted a noise study that demonstrated that the proposed project can attain Title 24 standards.</p>	Project sponsor and construction contractor(s)	Prior to construction.	Project sponsor and construction contractor(s)	Considered complete on issuance of building permit.

Shadow Impacts on Gene Friend Recreation Center 42-48 Harriet Street Project

Gene Friend Community Center is bounded by Folsom, Sixth, and Harriet Streets. It is approximately 44,337 square feet in size and is surrounded by medium-density residential and mixed-used and commercial buildings. The 42-48 Harriet Street project location is northwest of the park on the opposite side of Harriet Street.



Project Location: 42-48 Harriet is Northwest of the Gene Friend Recreation Center

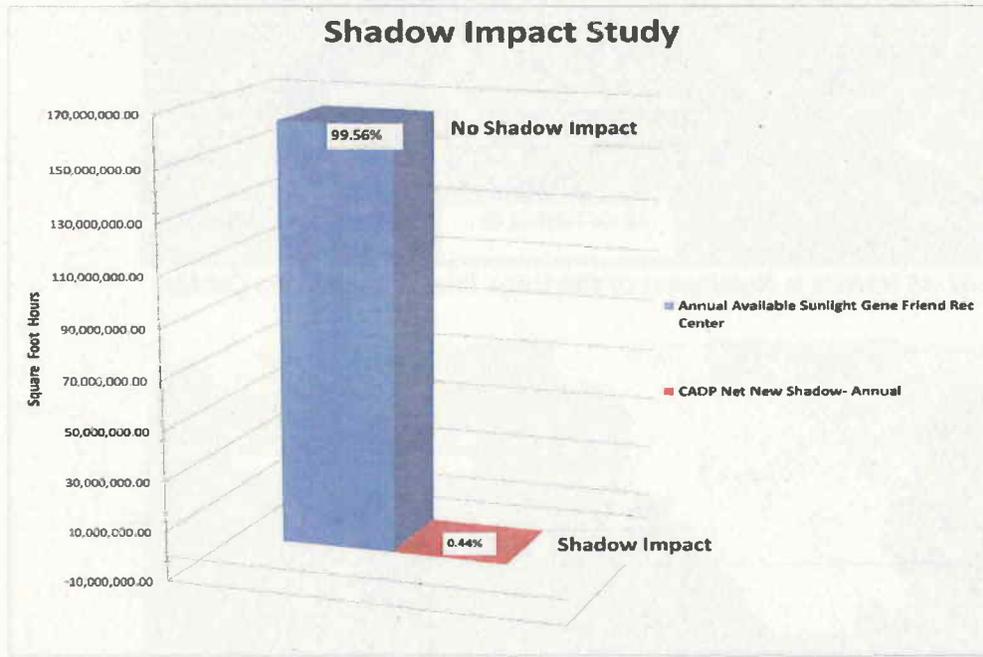


Street View of Project Site and Gene Friend Recreation Center

The southwest half of the park is comprised of basketball court, a parking area, mature trees, benches, a play structure, pedestrian pathway and lawn. The northeast half of the park is dominated by a one-story recreation center. The park has some shadow from existing buildings. There are also a number of mature trees on the west side of the park that create shade.

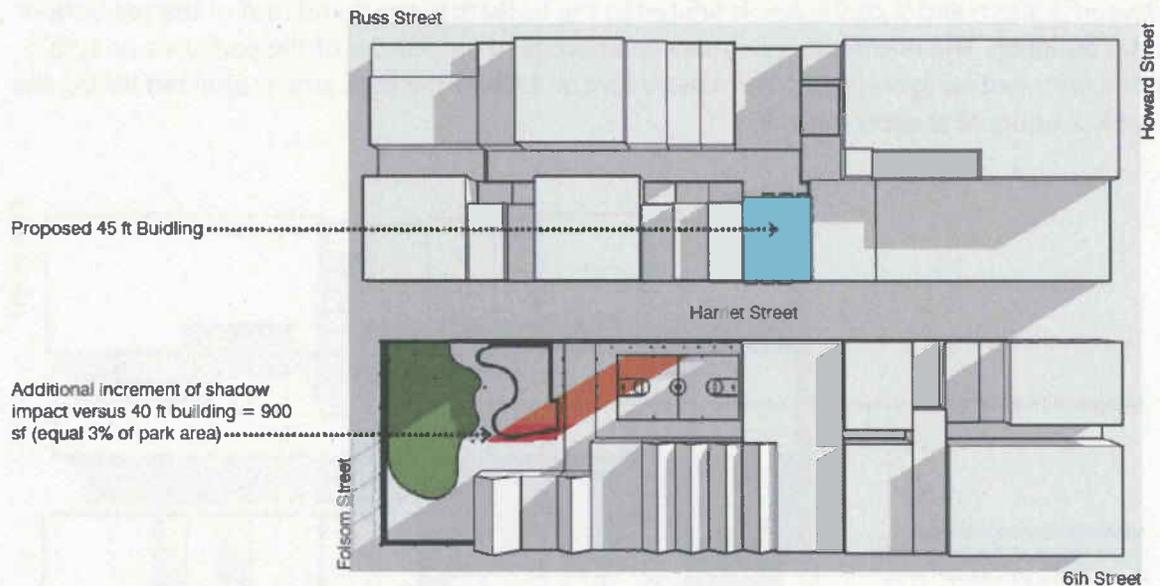
Based on a quantitative analysis of the shadow impact conducted by CADP, we know that the net new shadow created by the 45 foot project is small, taking up less than one half of one percent (0.44%) of the Available Annual Sunlight (AAS) as shown in the chart below. In other words, 99.56% of the Annual Available Sunlight reaches the park with no impact from the proposed project at 42-48 Harriet Street.

42-48 Harriet Street - Shadow Impacts on Gene Friend Recreation Center		
Park Area - Gene Friend Recreation Center	44,337.35	sq. ft.
Net New Shadow (Winter Solstice)	248	sq. ft.
Net New Shadow as % of Park Area	0.56%	sq. ft.
Net New Shadow (Summer Solstice)	3,060	sq. ft.
Net New Shadow as % of Park Area	6.90%	sq. ft.
Annual Available Sunlight (AAS) Factor	3,721.40	hrs per sq. ft.
Annual Available Sunlight (AAS) Gene Friend Rec Center	164,997,014.29	sq. ft. hrs.
CADP Net New Shadow - Annual	731,481.14	sq. ft. hrs.
Net New Shadow as % of AAS	0.44%	sq. ft. hrs.



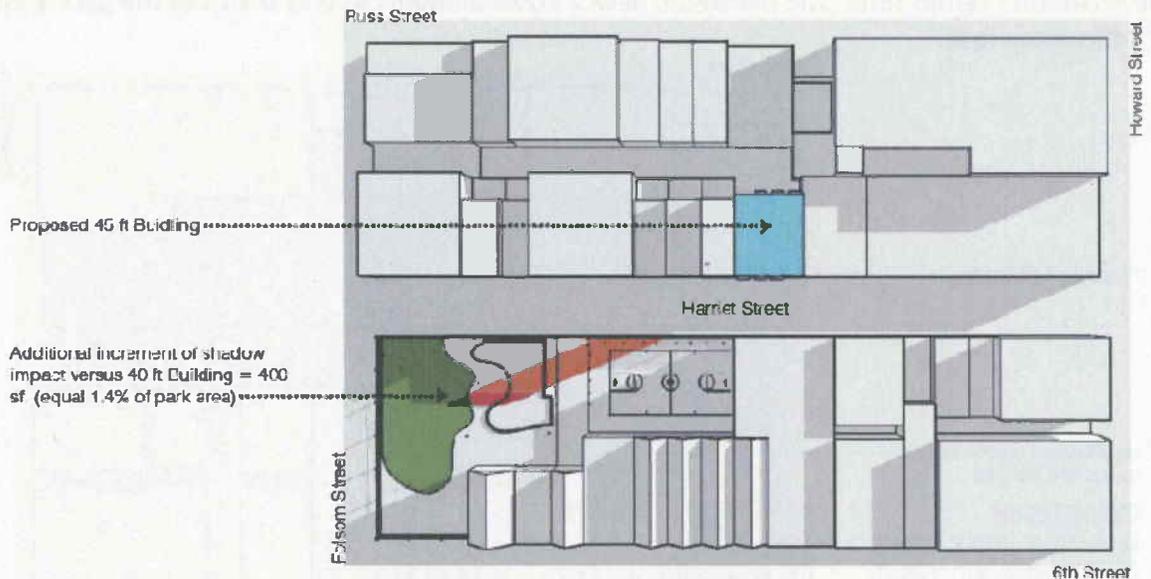
Analysis of Shadow Impacts from CADP Study, April 22, 2010

The maximum shadow impact on a specific day and time is on August 2nd when new shadow is cast on the park between 4:45pm and 7:31pm. On this day the new shadow reaches a maximum area of approximately 3,705.65 square feet or 8.4% of the park area, though on average just 1,631 square feet or 3.7% of the park area is affected during the roughly 2 hours and 45 minutes of shadow impact.



Shadow of Proposed vs. Exempt Project on August 2, 7;12pm

In the most of the summer months the new shadow is less. At Summer Solstice new shadow is cast on the park between 5:15pm, when it is limited to a portion of the basketball court and parking area, and just after 7:30pm, when the long shadows reach the open space closer to Folsom Street. The maximum new shadow that is created is just 6.9% of the park area or 3,060 square feet, but again on average just 1,100 square feet or 2.5% of the park area is affected during the roughly 2 hours and 15 minutes of shadow impact.



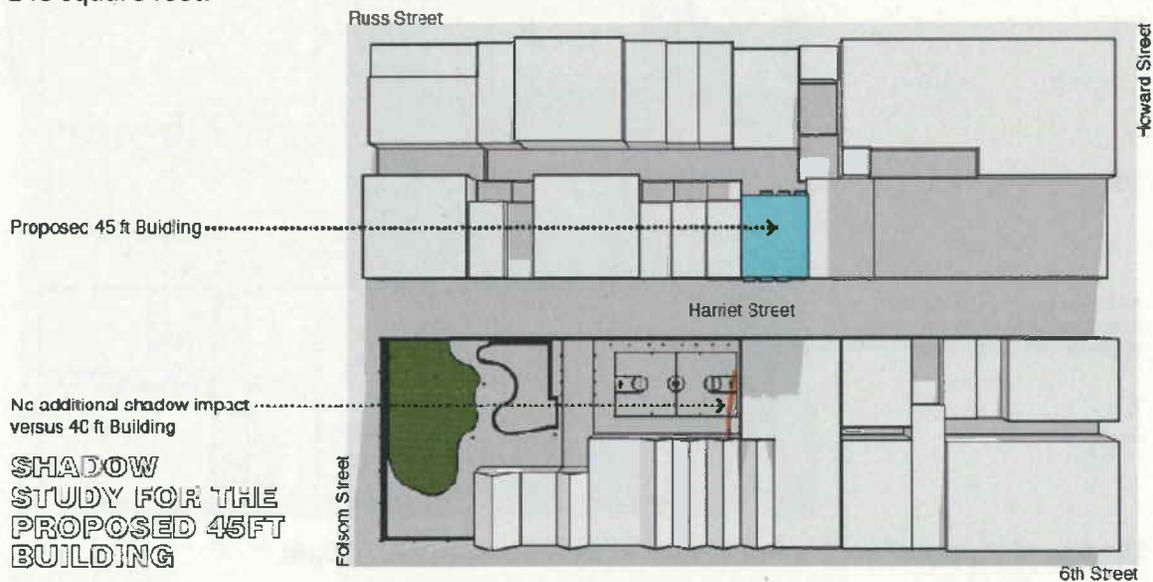
Shadow of Proposed vs. Exempt Project at Summer Solstice, 7:30pm

At the Vernal and Autumnal Equinox new shadow cast on the park is even smaller. It occurs between 3:30pm and 5:30pm, and is limited to the basketball court and roof of the recreation center building. The maximum new shadow amounts to only 04.5% of the park area or 1,987 square feet, and on average just 788 square feet or 1.8% of the park area is affected during the roughly 2 hours of shadow impact.



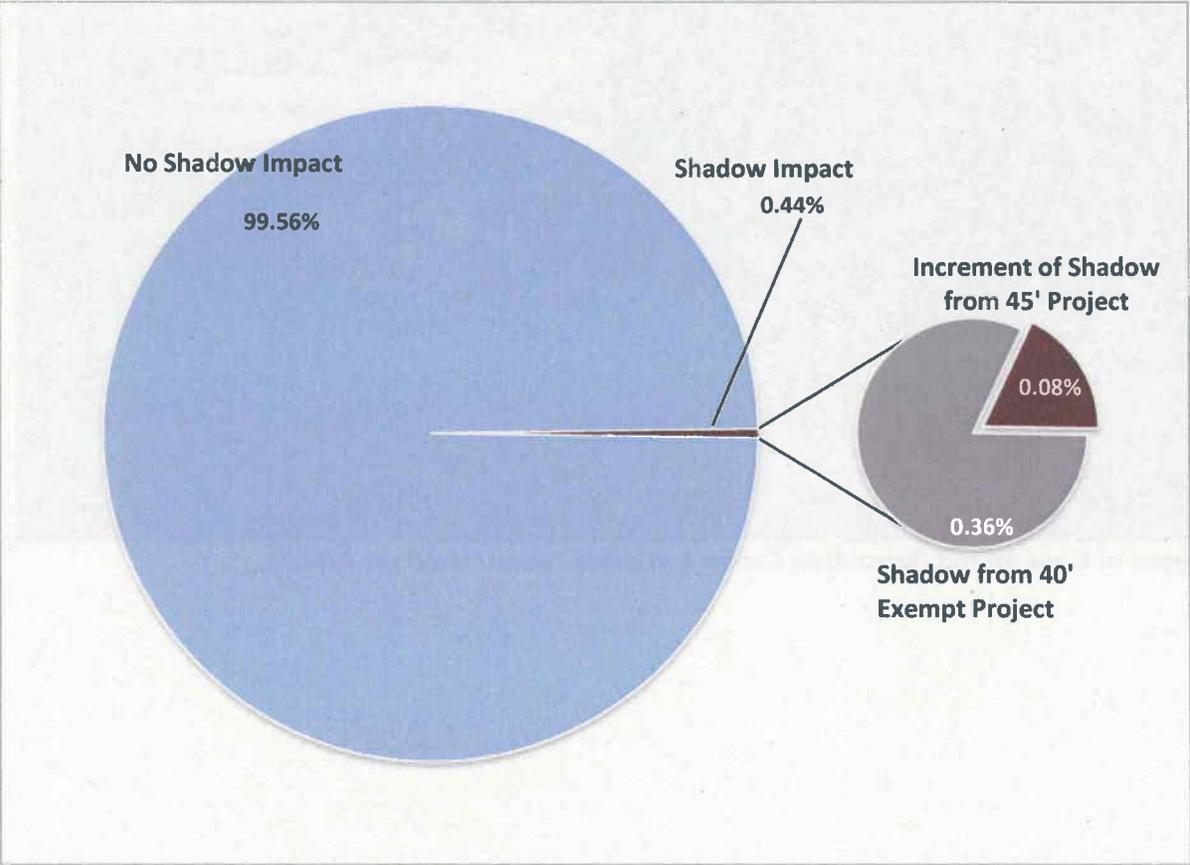
Shadow of Proposed vs. Exempt Project at Equinox, 5:00pm

In the winter months the shadow is miniscule. At the Winter Solstice new shadow is cast on the park between 3:00pm and 3:55pm and is limited to a tiny fraction of the basketball court and the recreation center roof. The maximum new shadow amounts to only 0.56% of the park area or 248 square feet.



Shadow of Proposed vs. Exempt Project at Winter Solstice, 3:49pm

It is important to note that at its permitted height of 45 feet, the proposed project is just 5 feet taller than a project that would be exempt from the Shadow Ordinance (40 feet in height). As the slides above indicate, when you compare the additional increment of shadow produced by the proposed project over the exempt 40 foot project, the diminutive nature of the impact of the project shadow is plainly clear. According to CADP, a hypothetical exempt project would generate a new net shadow impact of 0.36% (as a percent of Annual Available Sunlight). This means that the additional increment of shadow created by the proposed 45 foot project is just 0.08%.

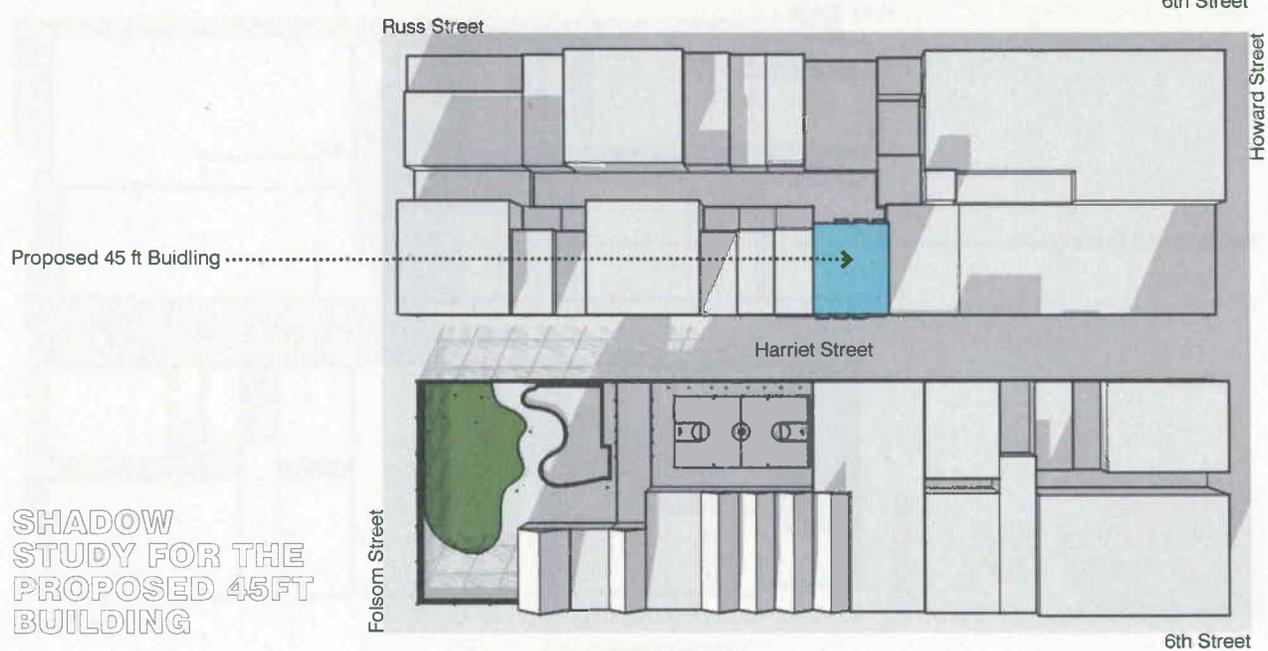


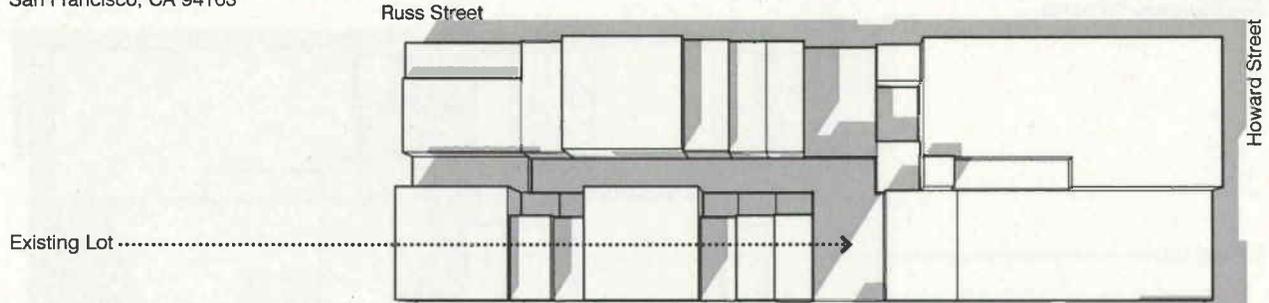
Analysis of Increment of Additional Shadow Impact from Proposed Project

Another way to put this in perspective is in relation to the other common shadow impacts on the park. The basketball court at Gene Friend Recreation Center and surrounding space near it are regularly used for parking motor vehicles--both City of San Francisco and privately owned vehicles. The project sponsor has witnessed as many as ten vehicles parked in that area at any one time (see photo). The additional shadow created over the course of one year by the 45' project as compared to the 40' exempt project is less than the shadow created by one City vehicle parked on that basketball court for one day.

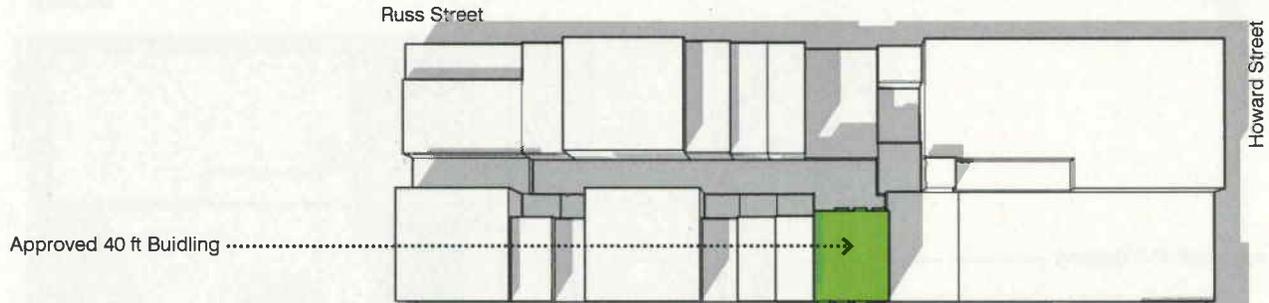
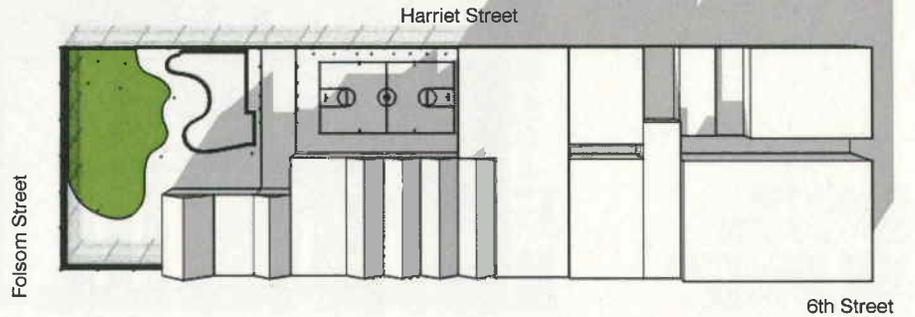


Photo of Gene Friend Recreation Center Basketball Court, Used for Parking

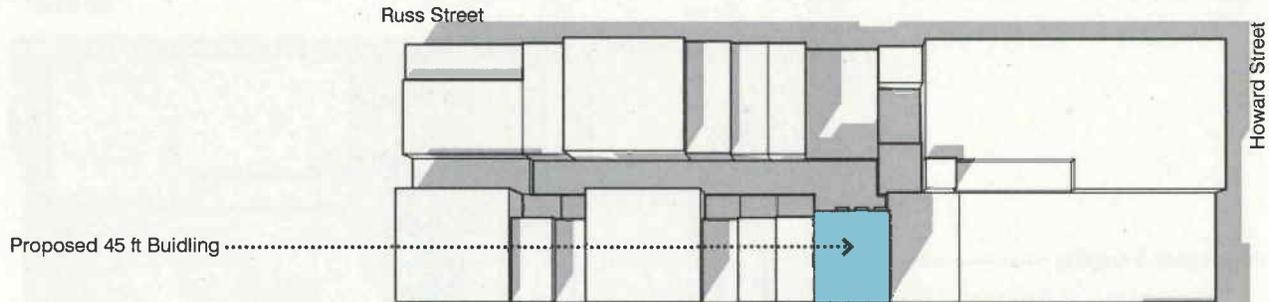
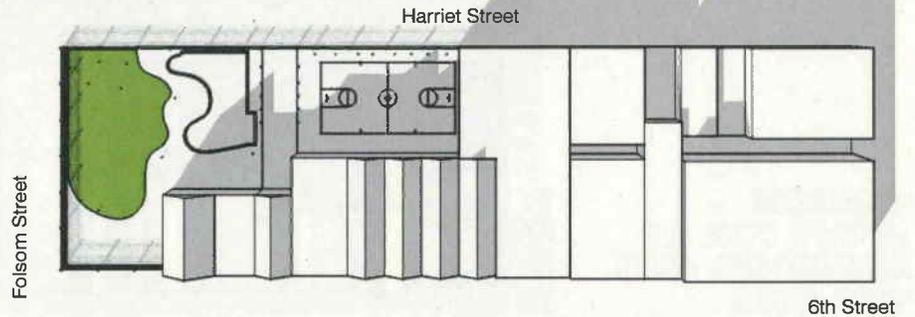




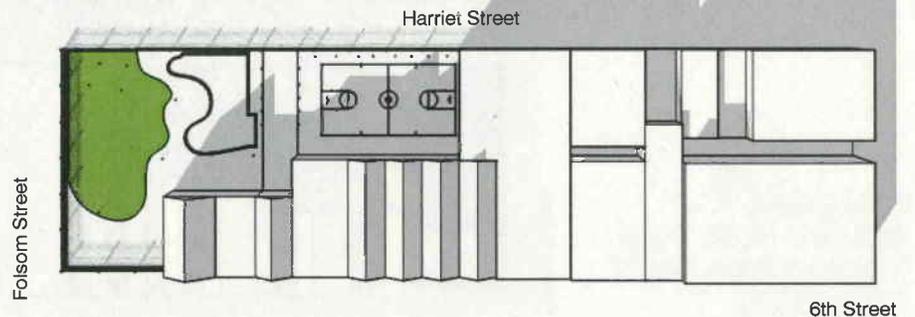
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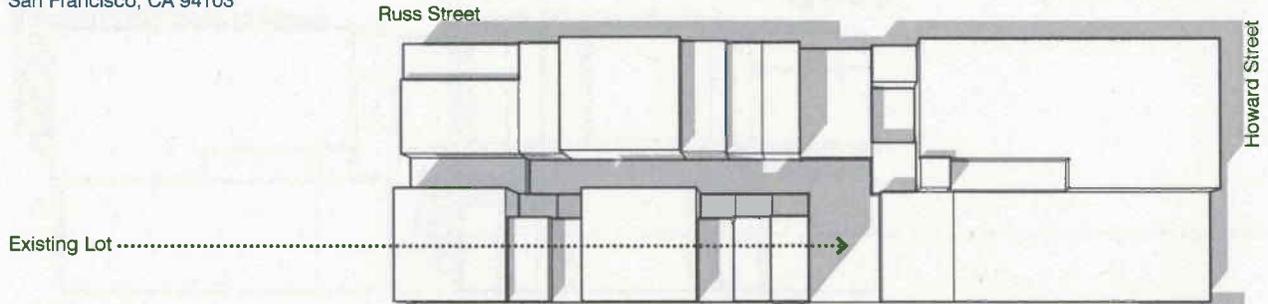


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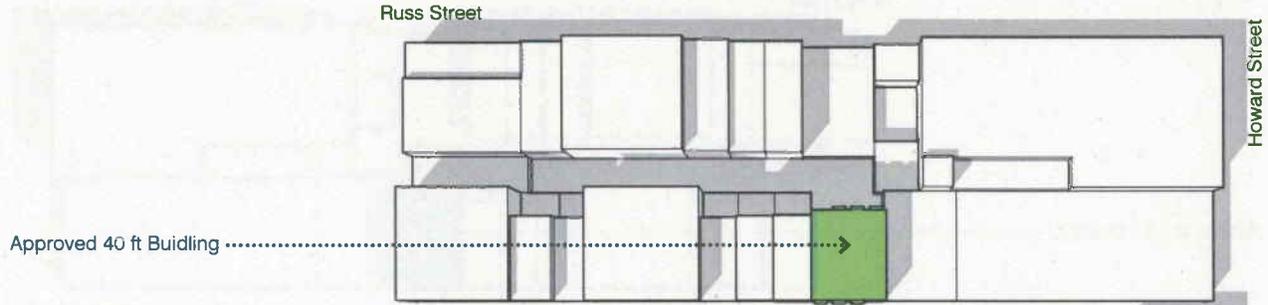
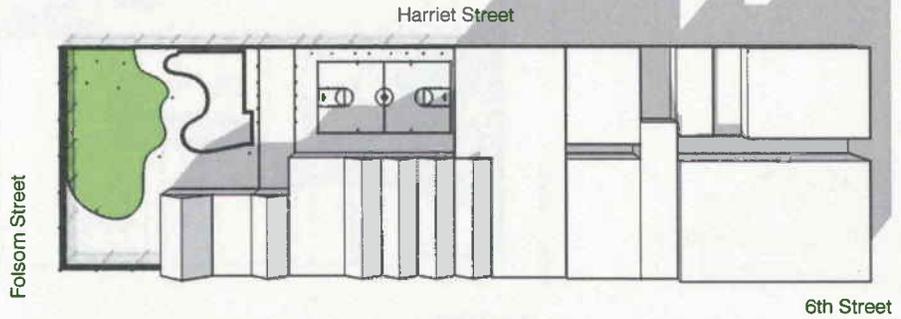


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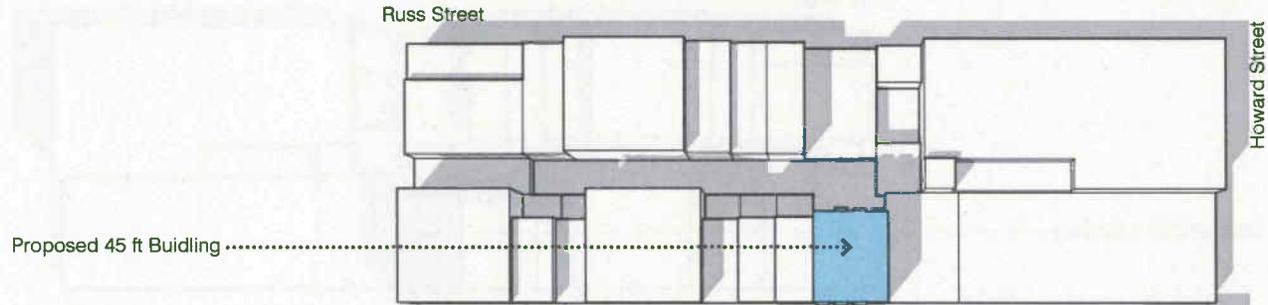




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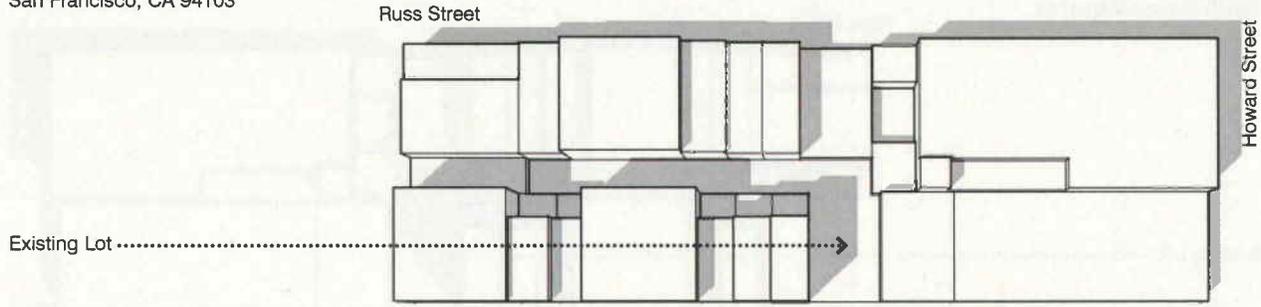


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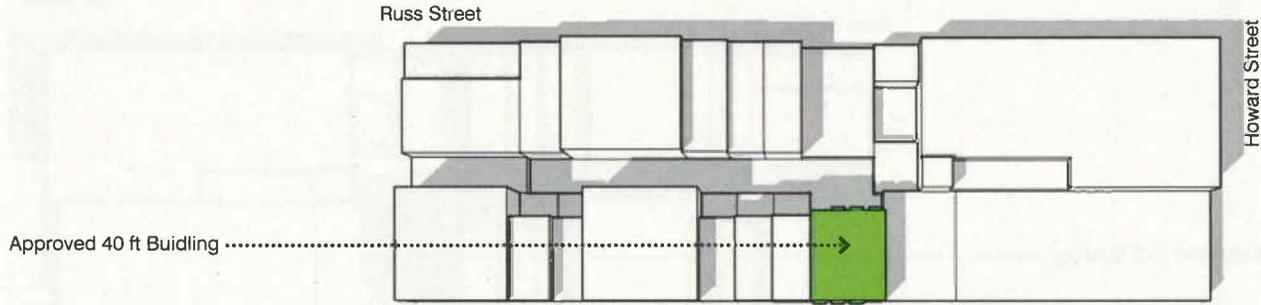


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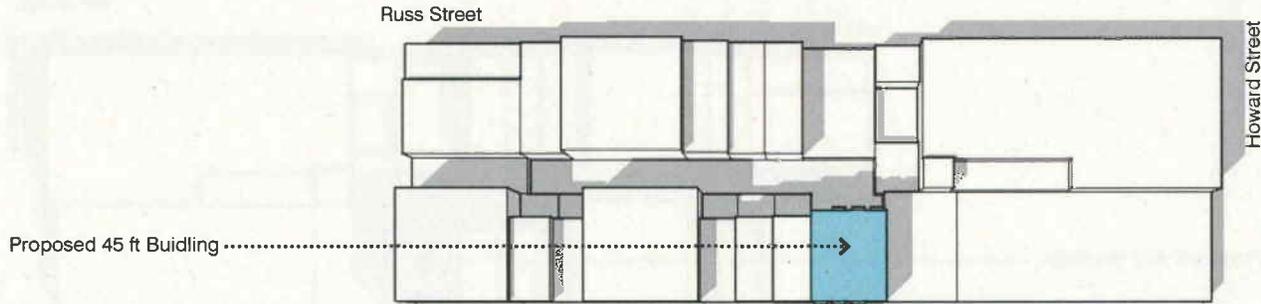
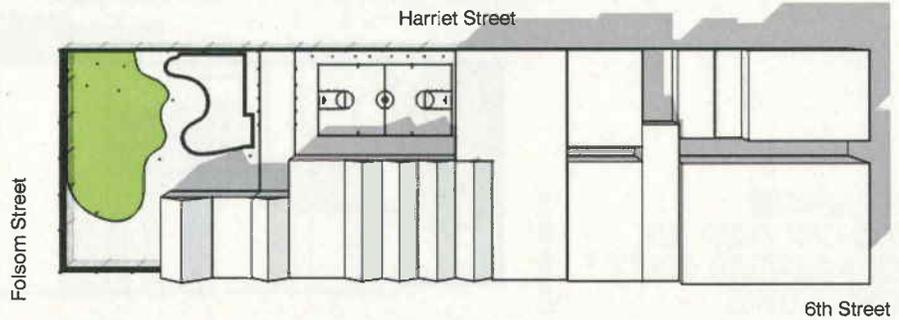




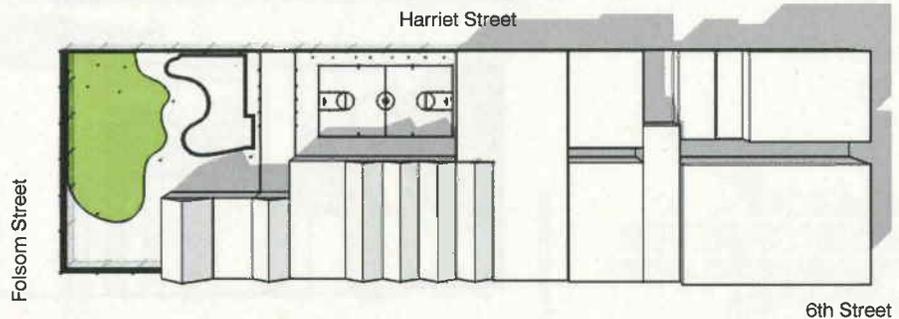
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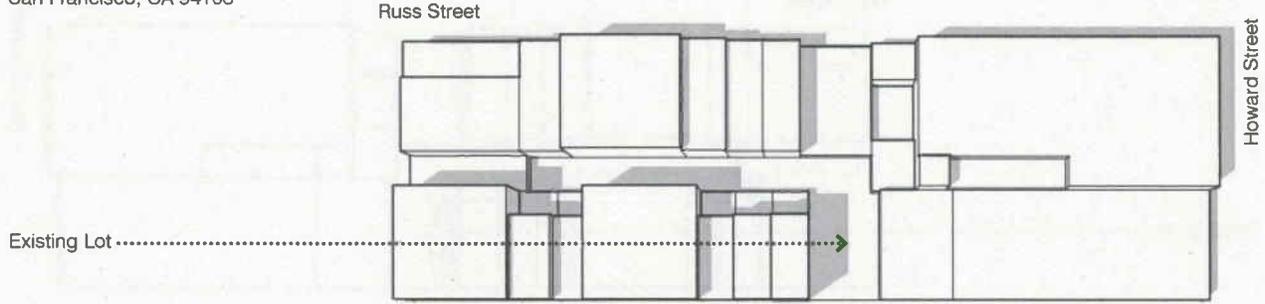


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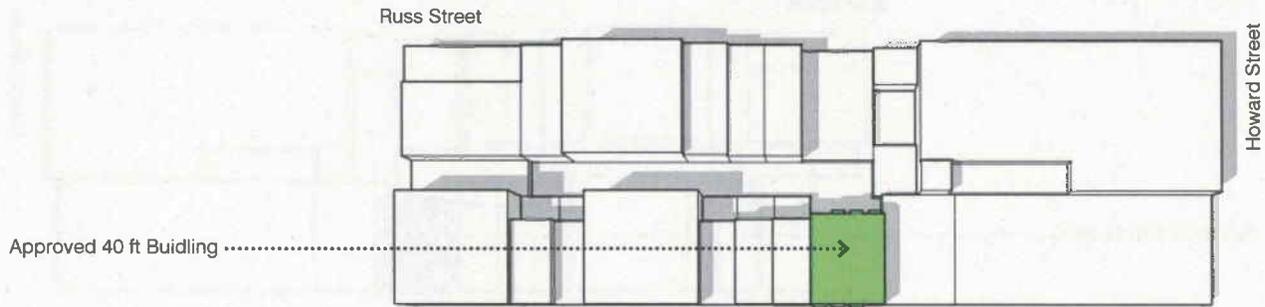
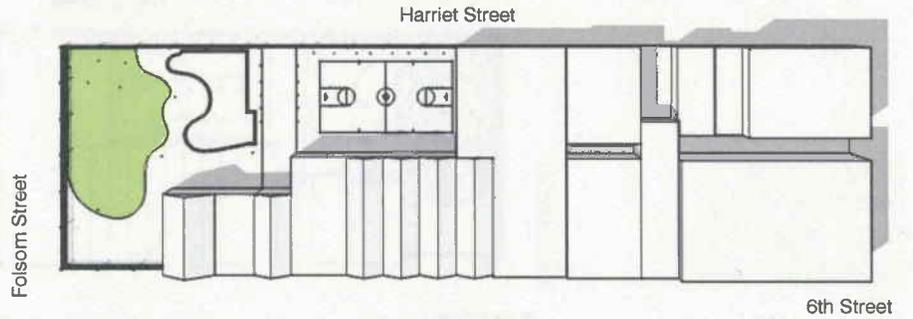


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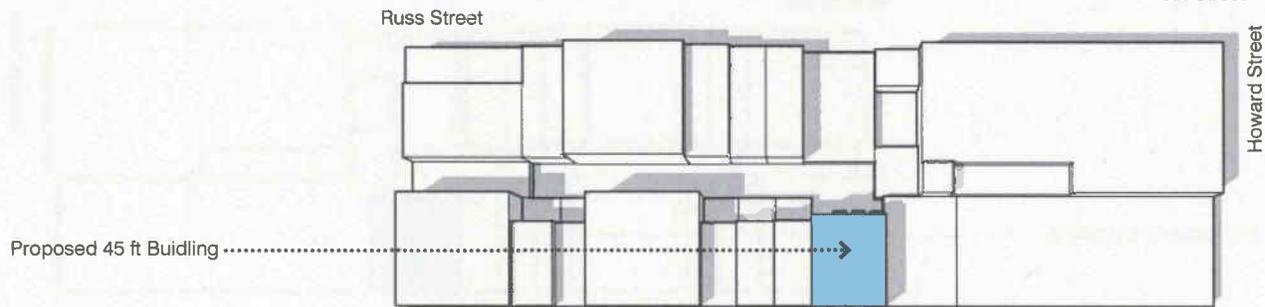
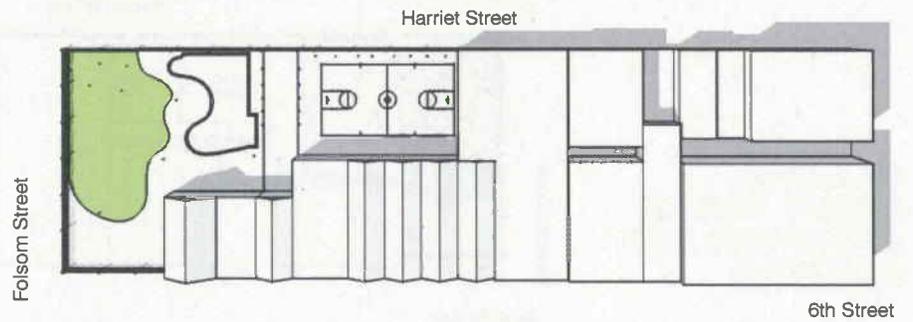




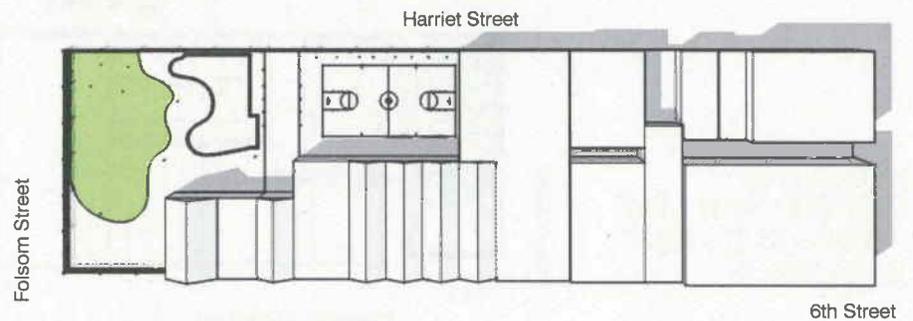
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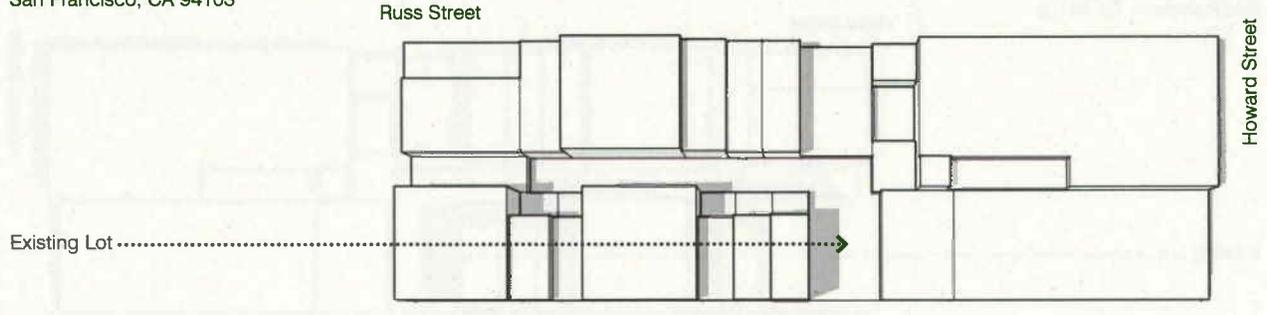


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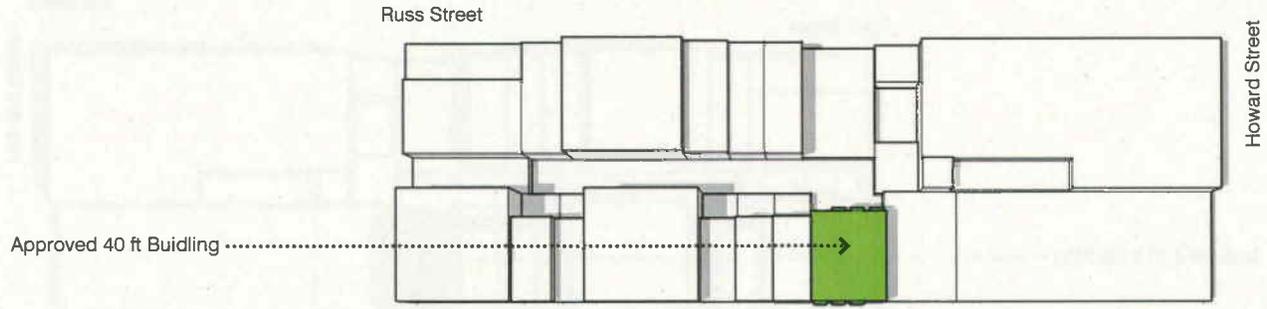
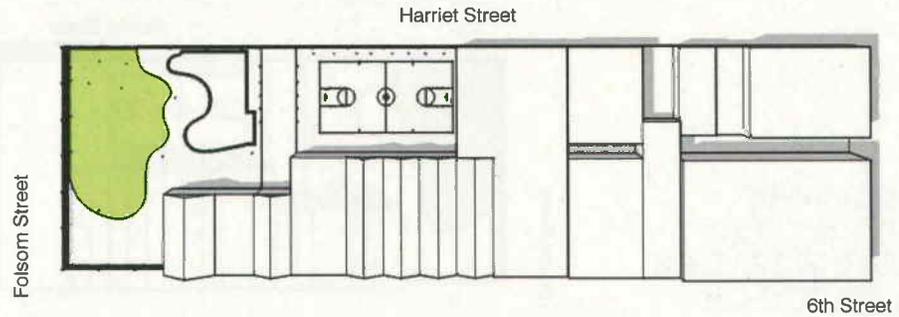


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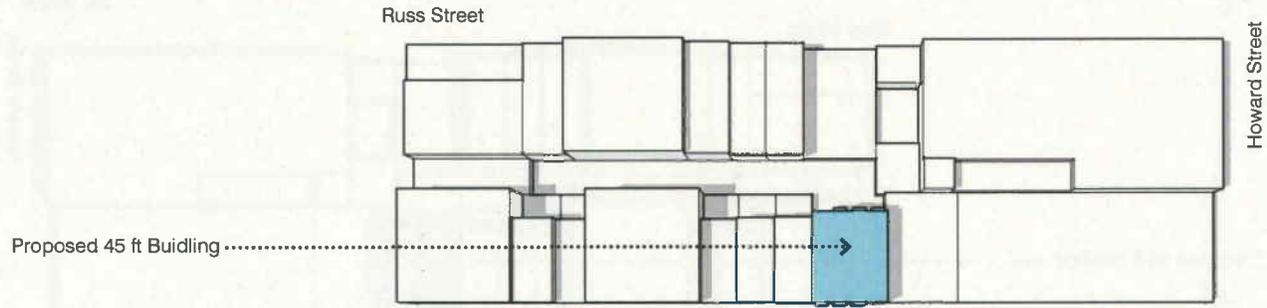




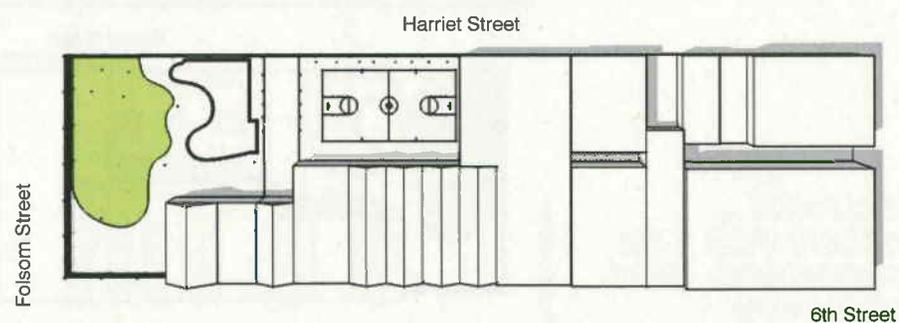
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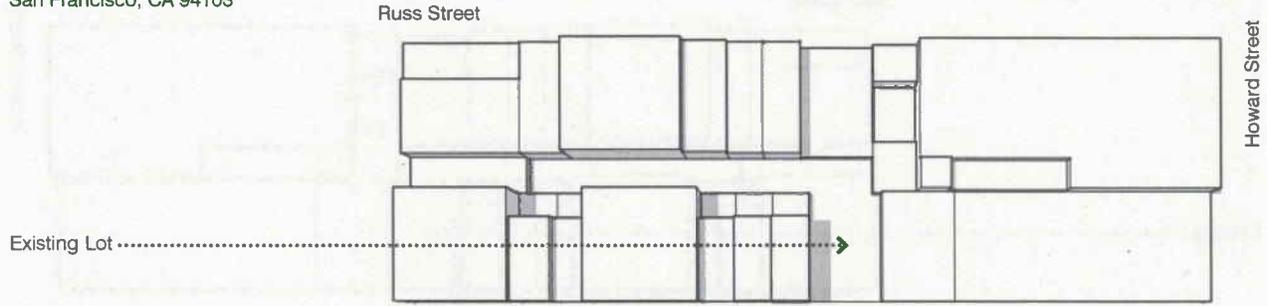


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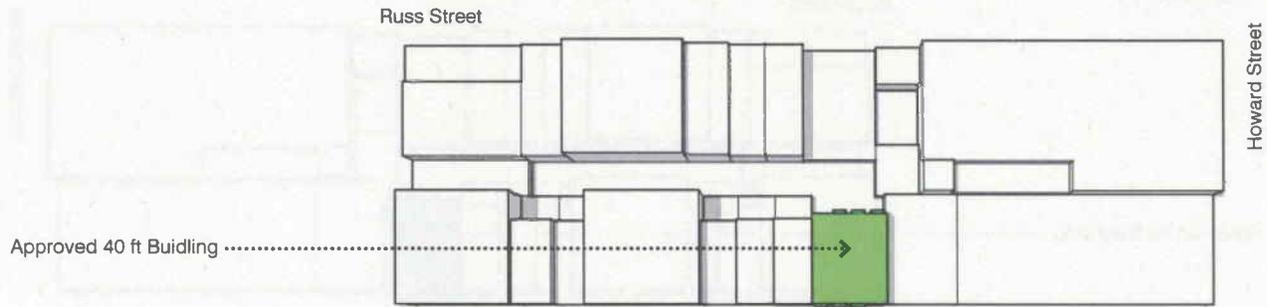
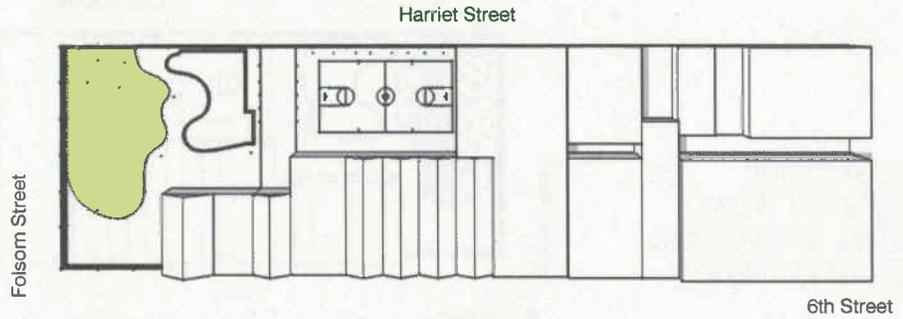


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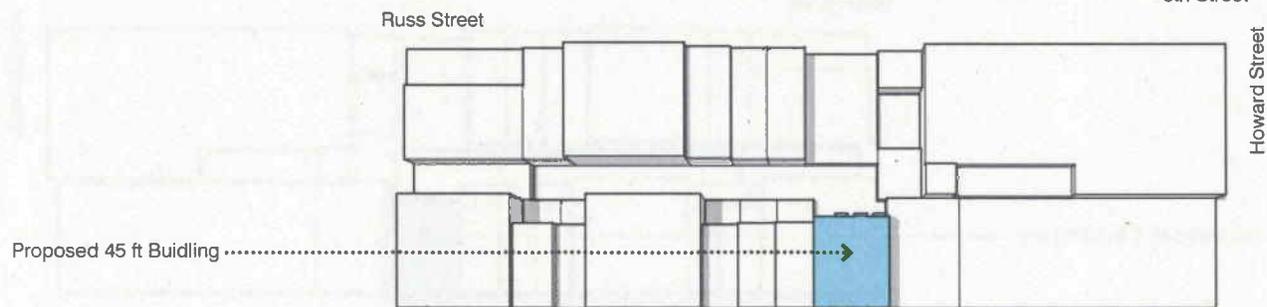
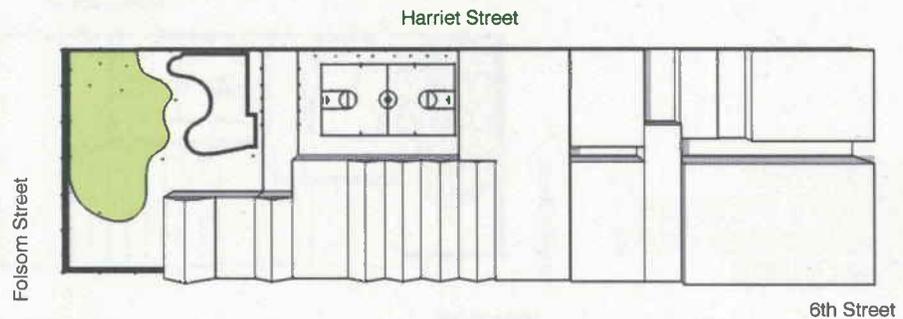




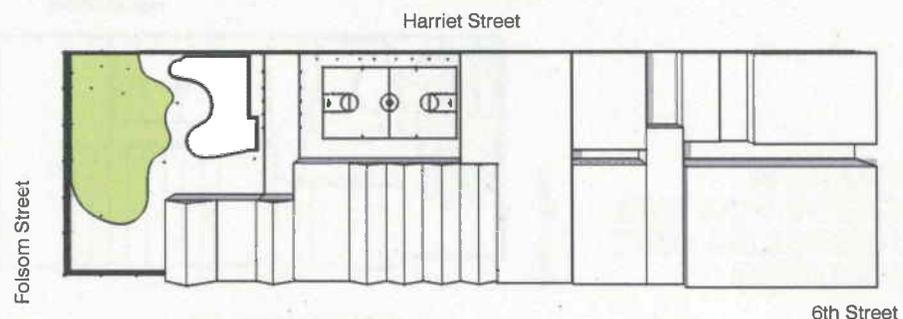
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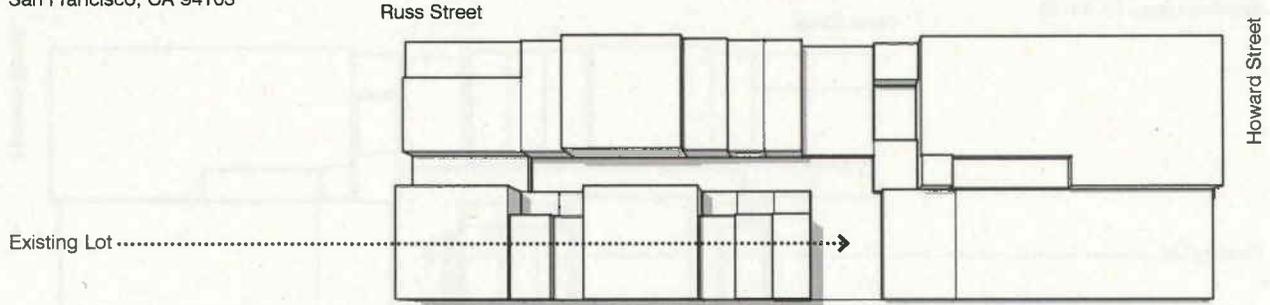


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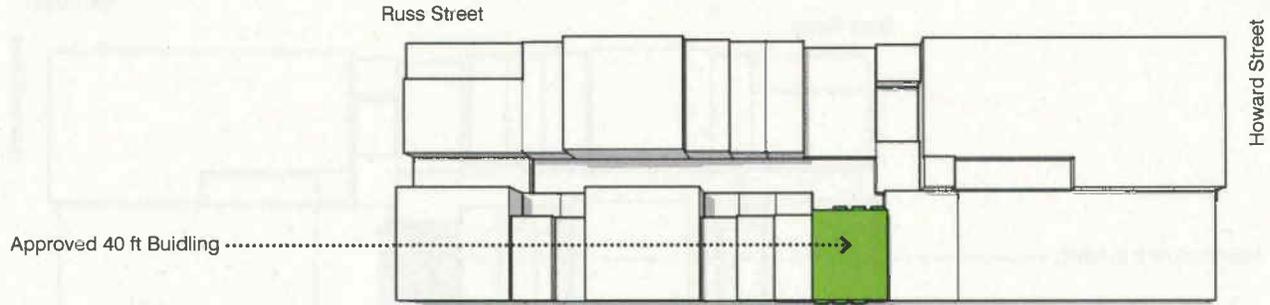
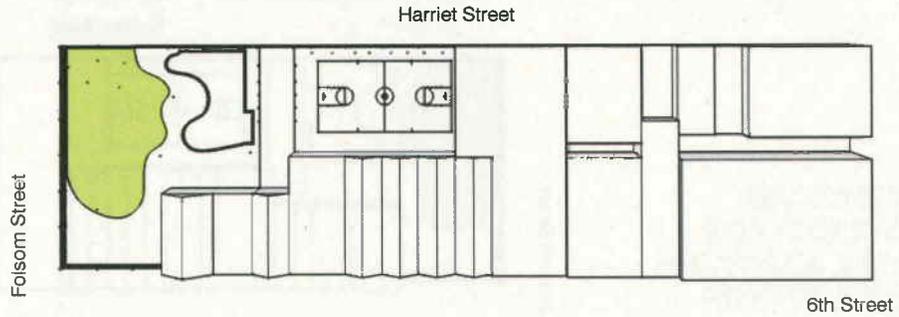


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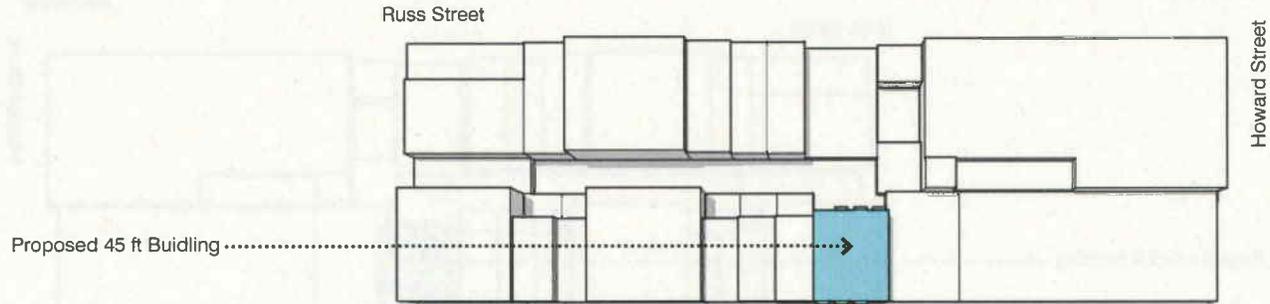
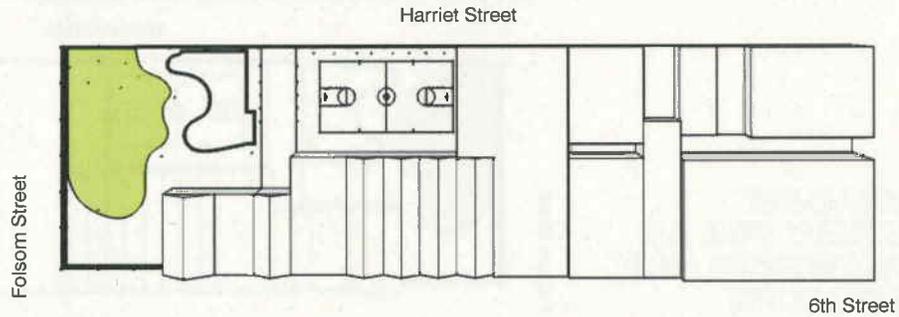




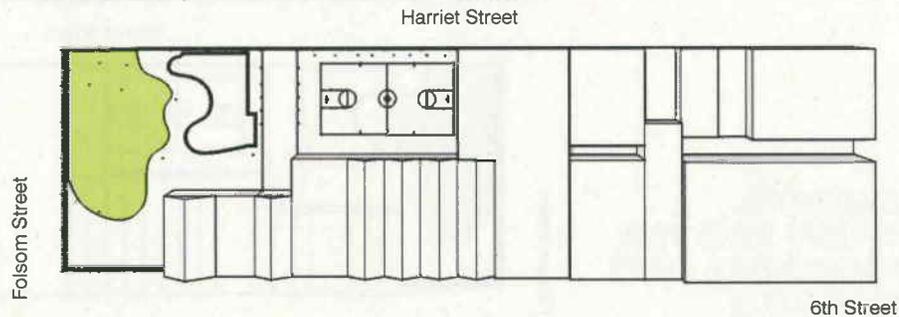
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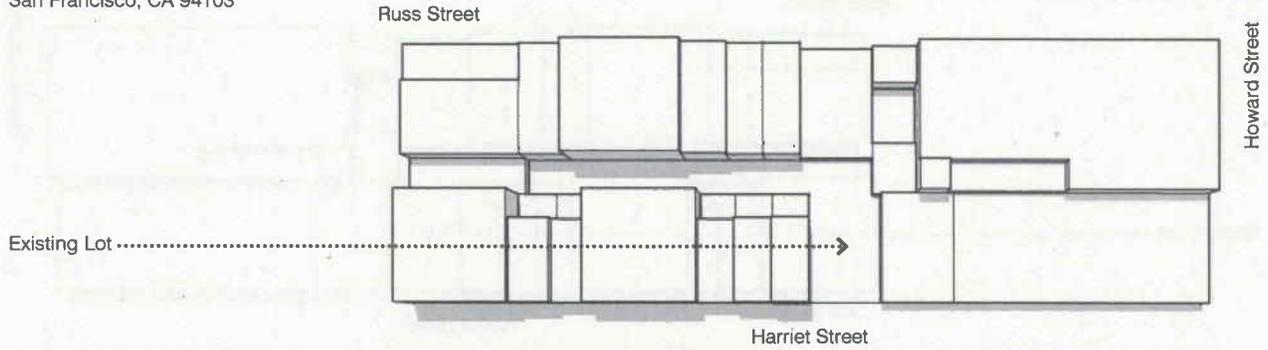


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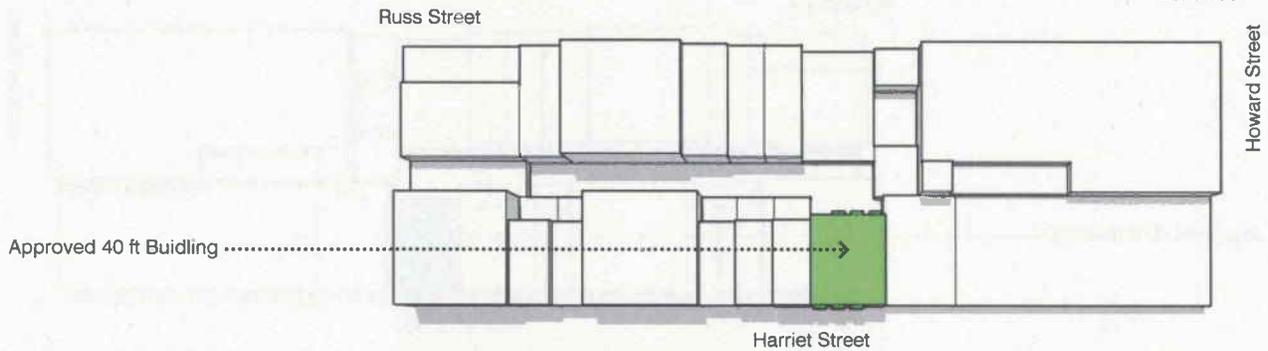
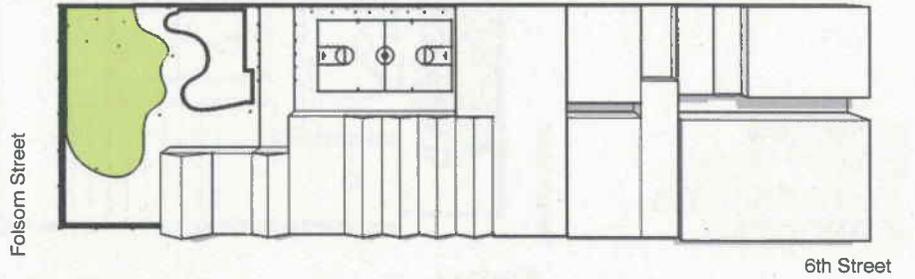


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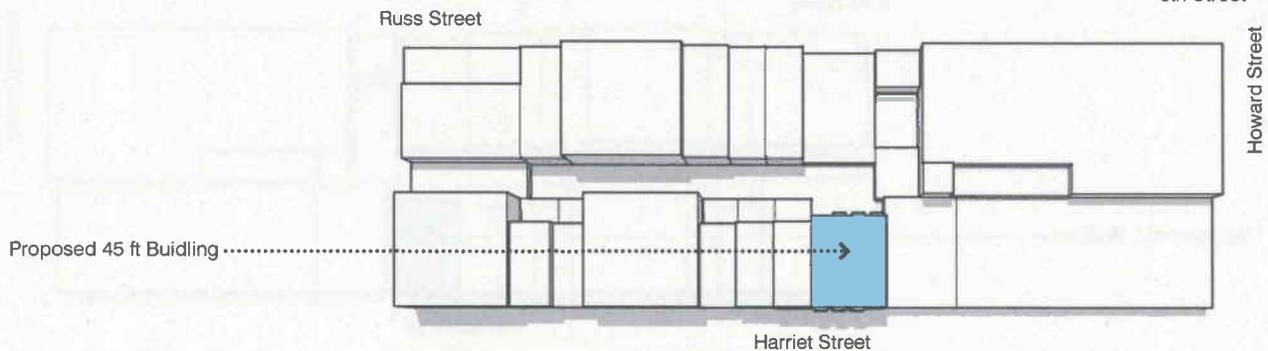
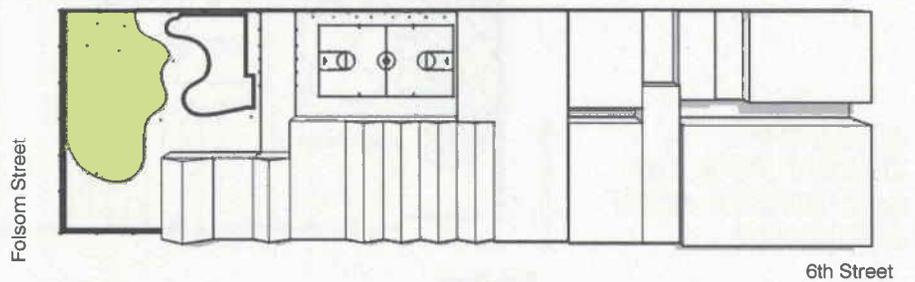




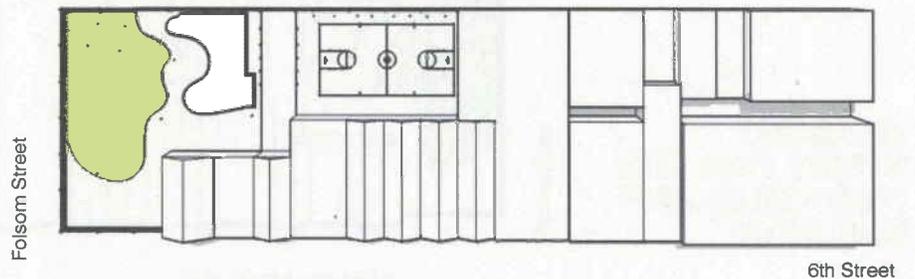
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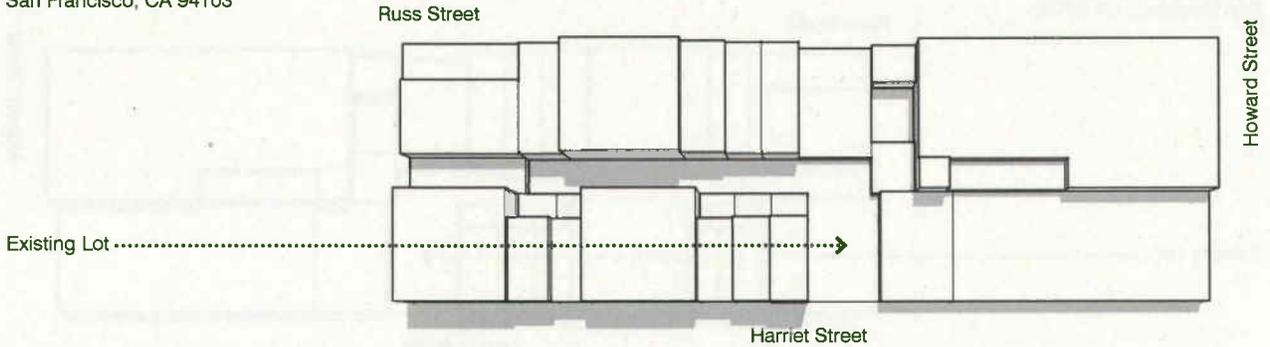


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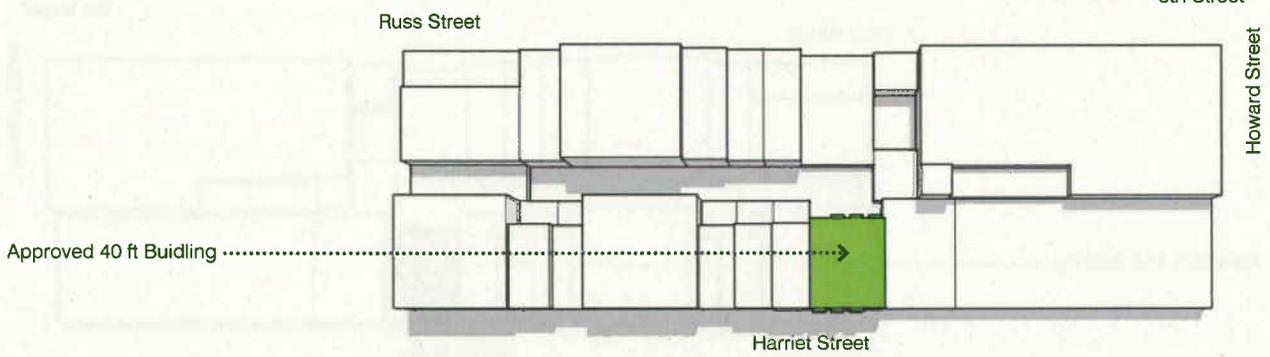
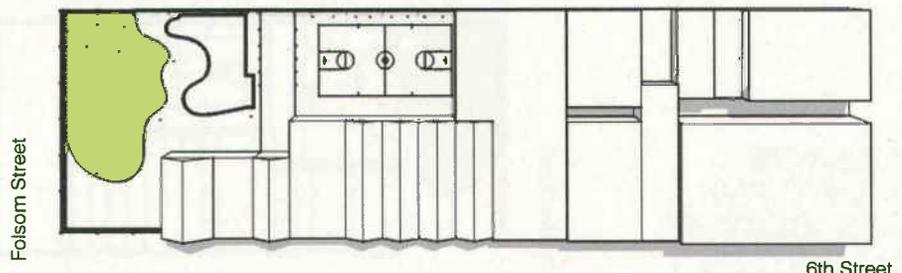


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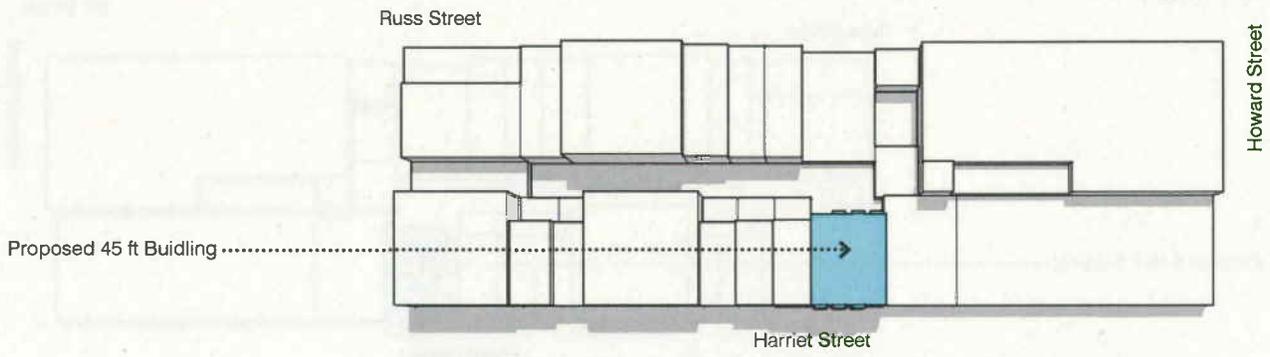
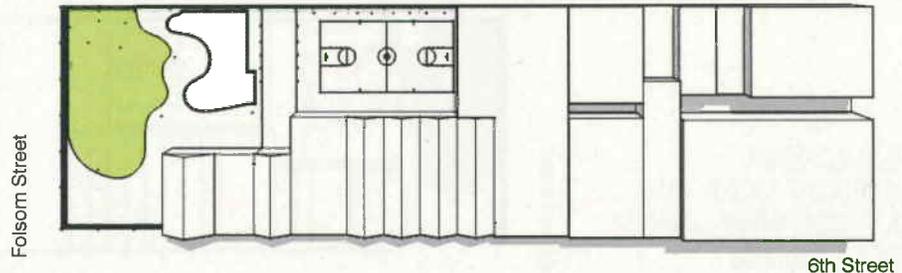




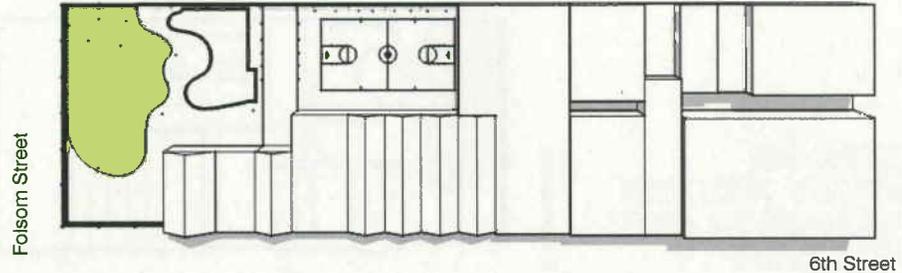
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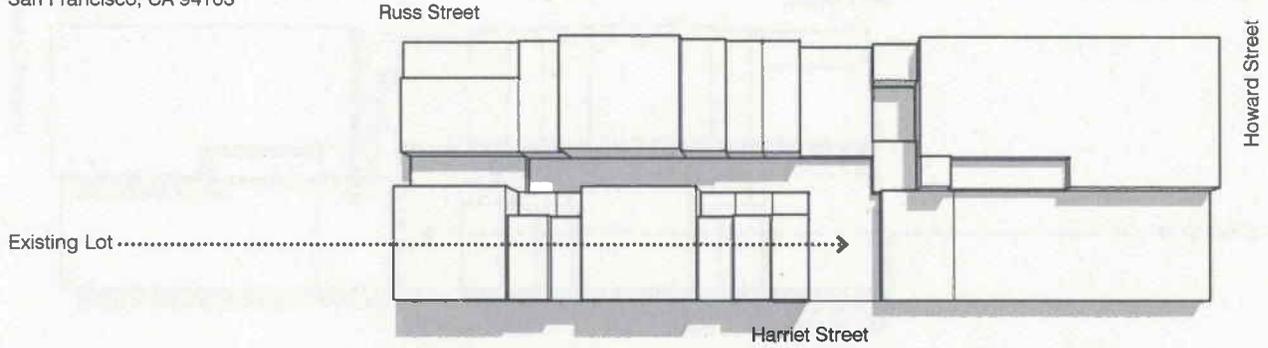


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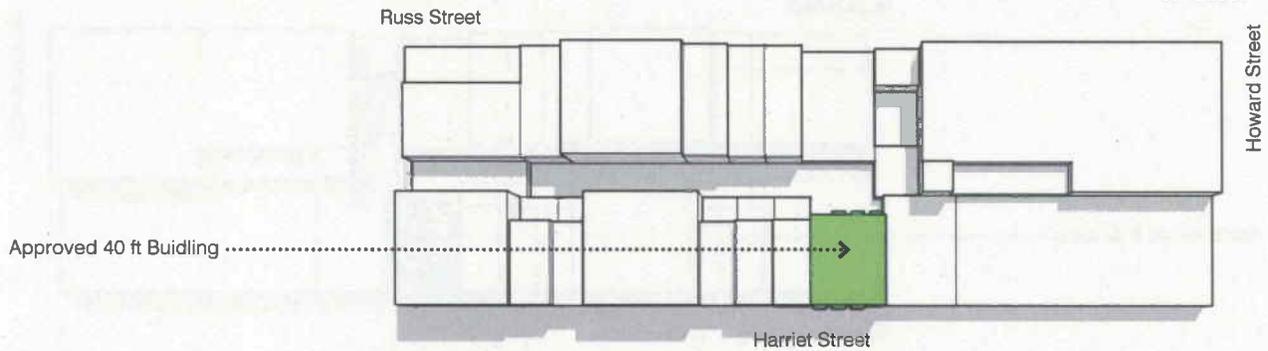
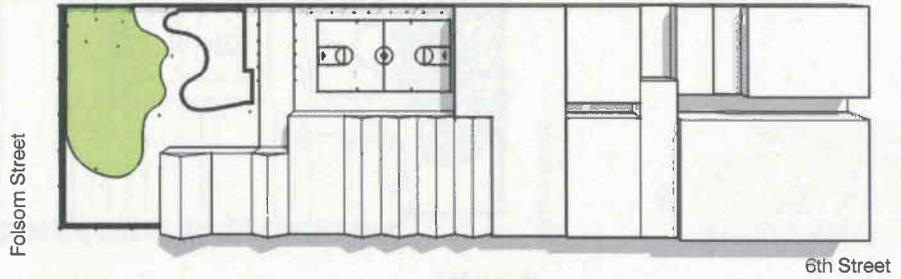


SHADOW
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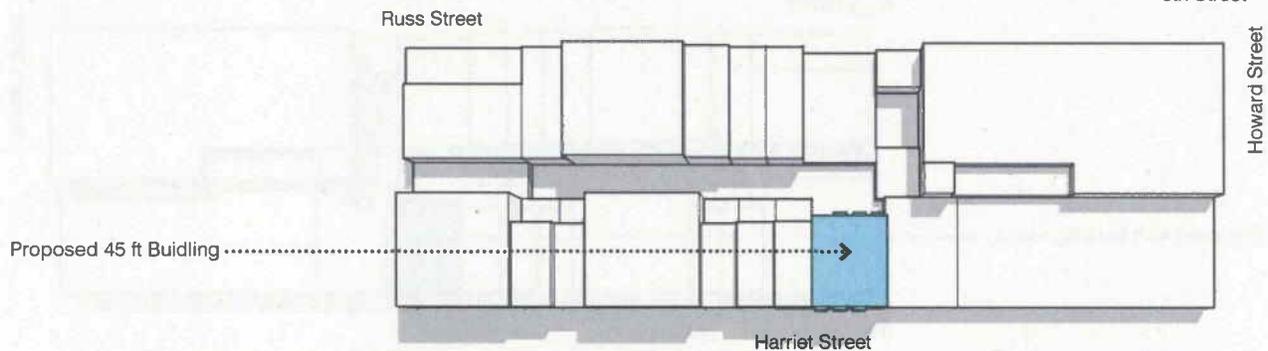
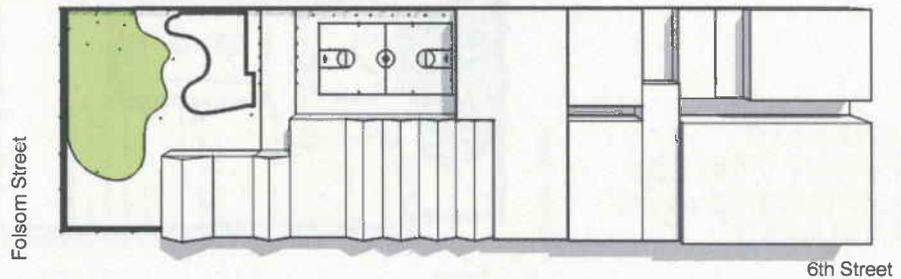




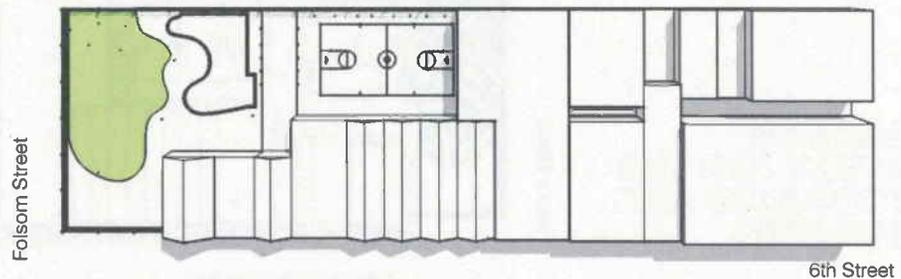
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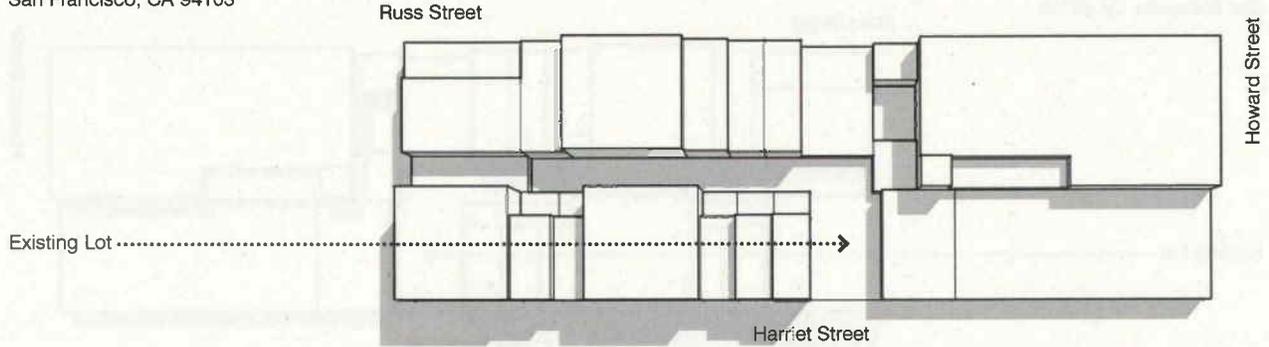


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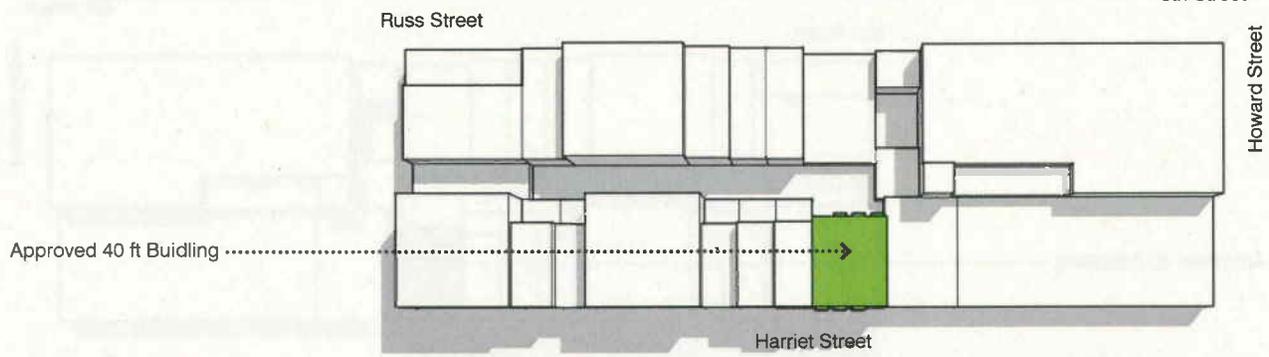


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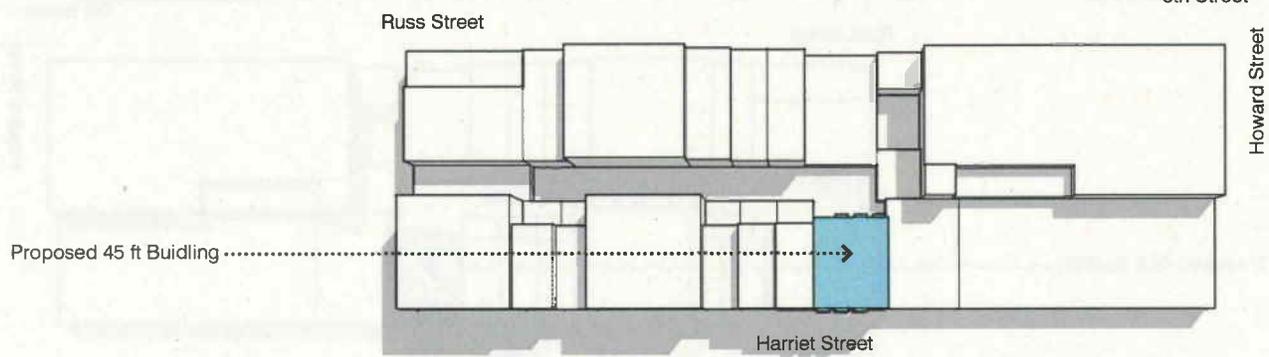




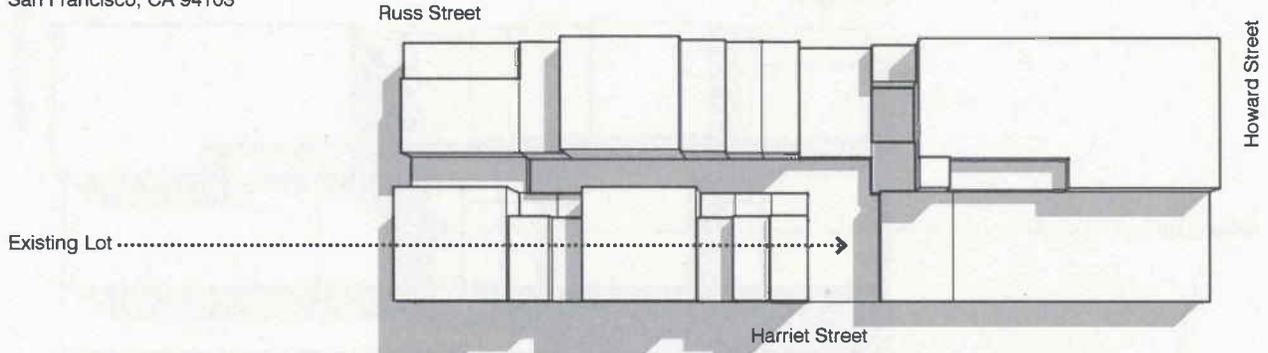
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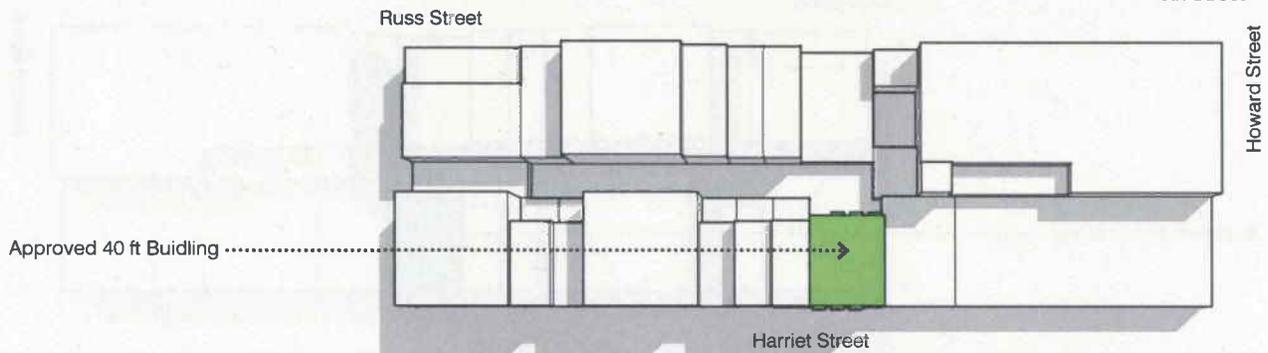
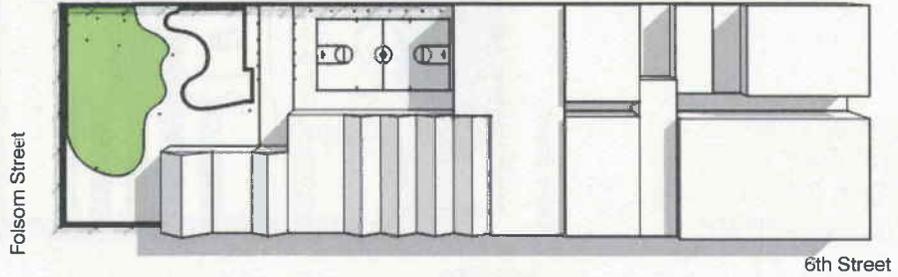
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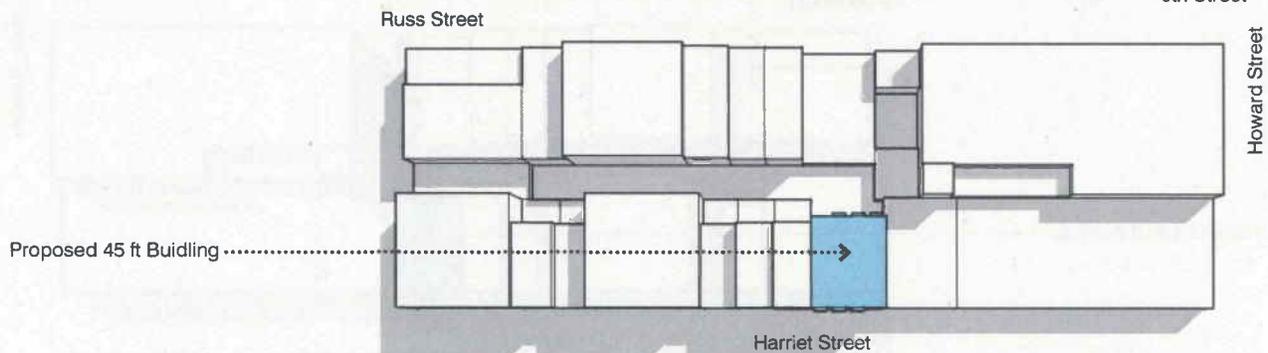
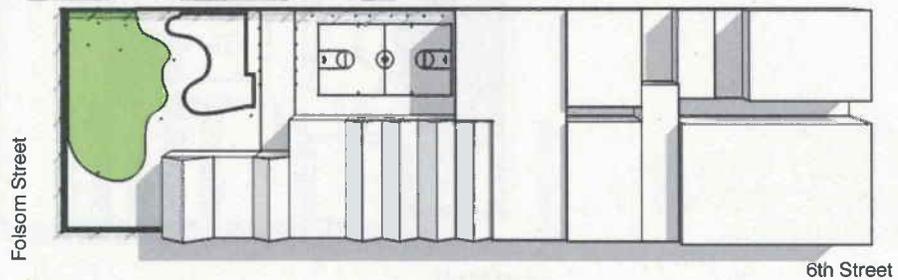
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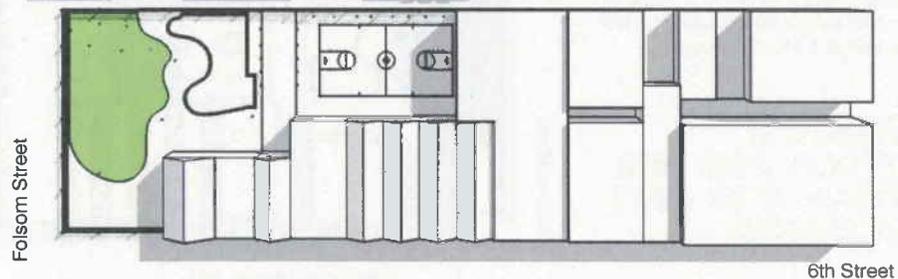
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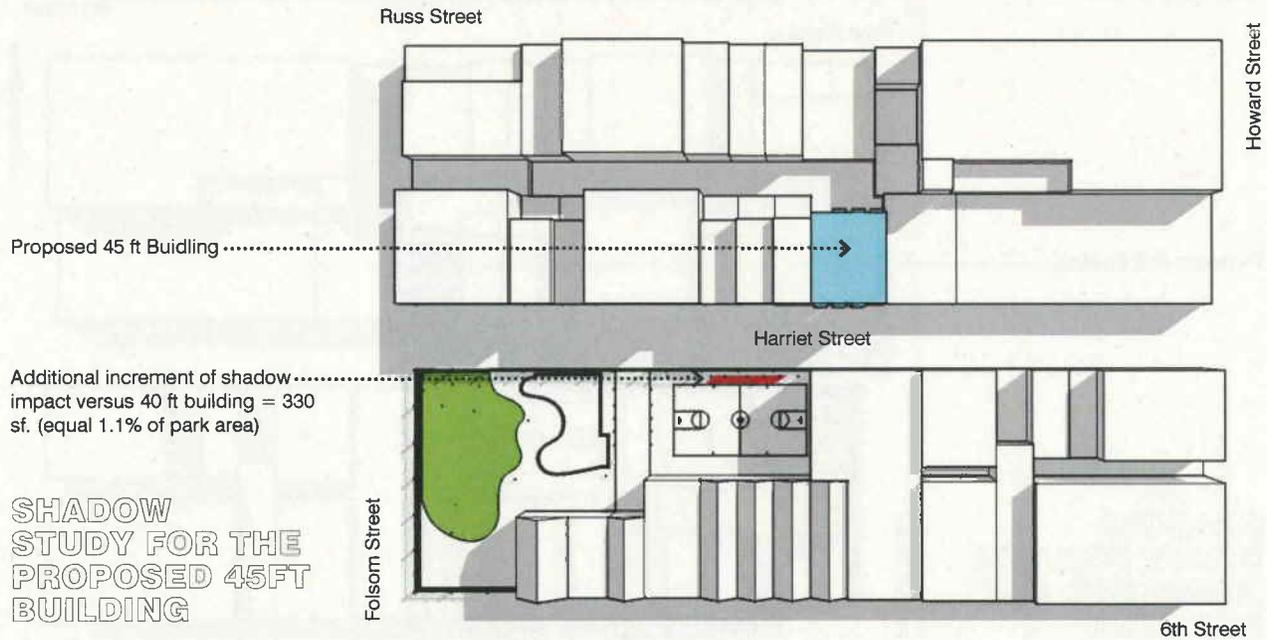


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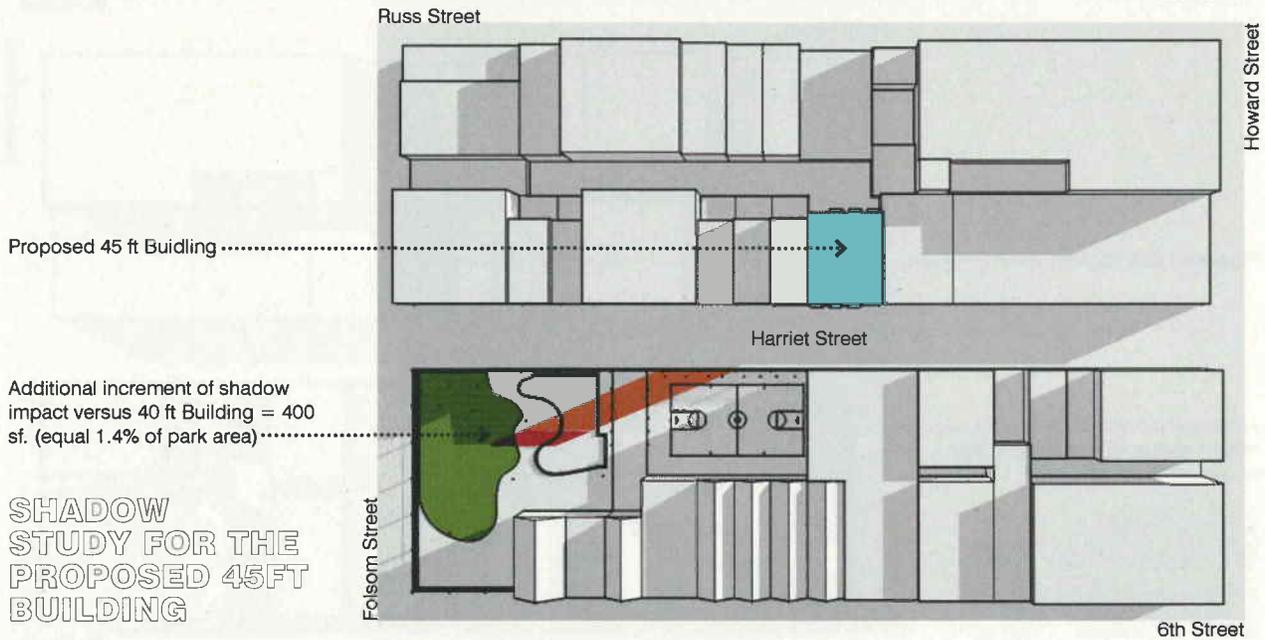
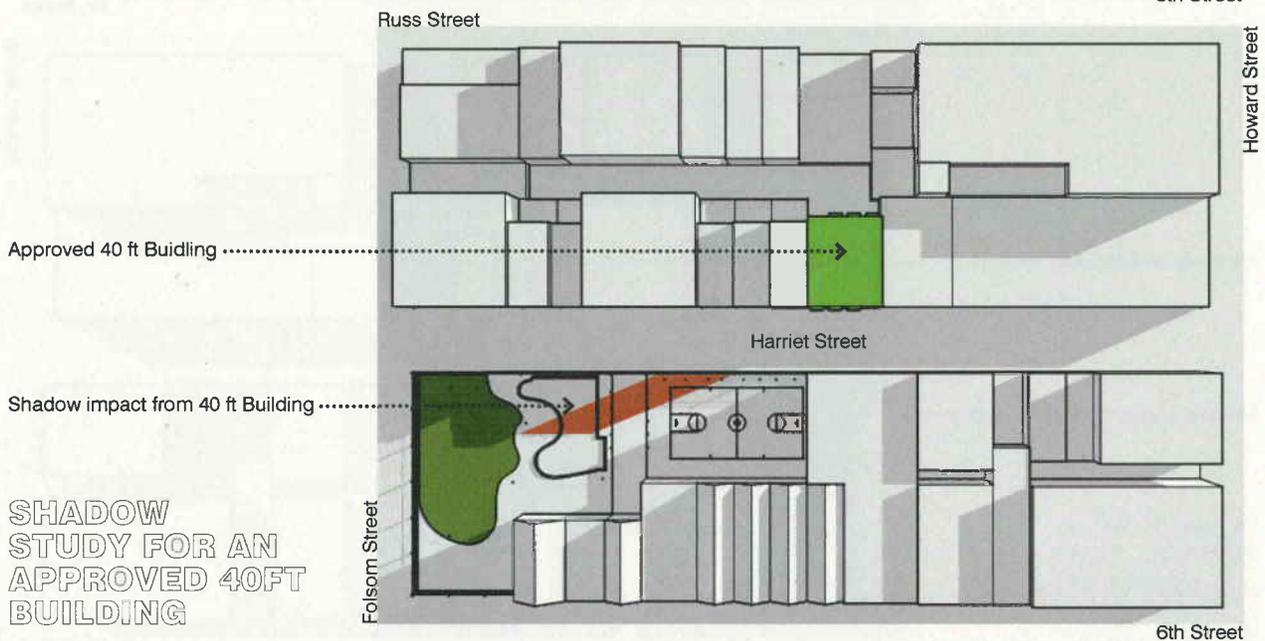
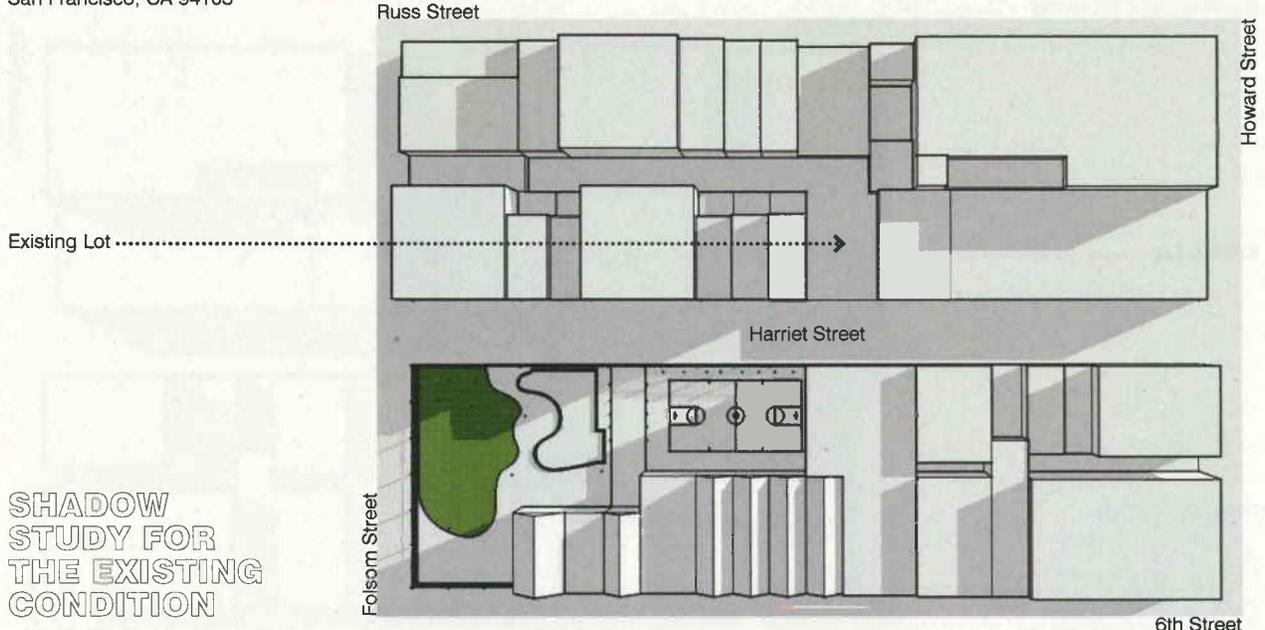


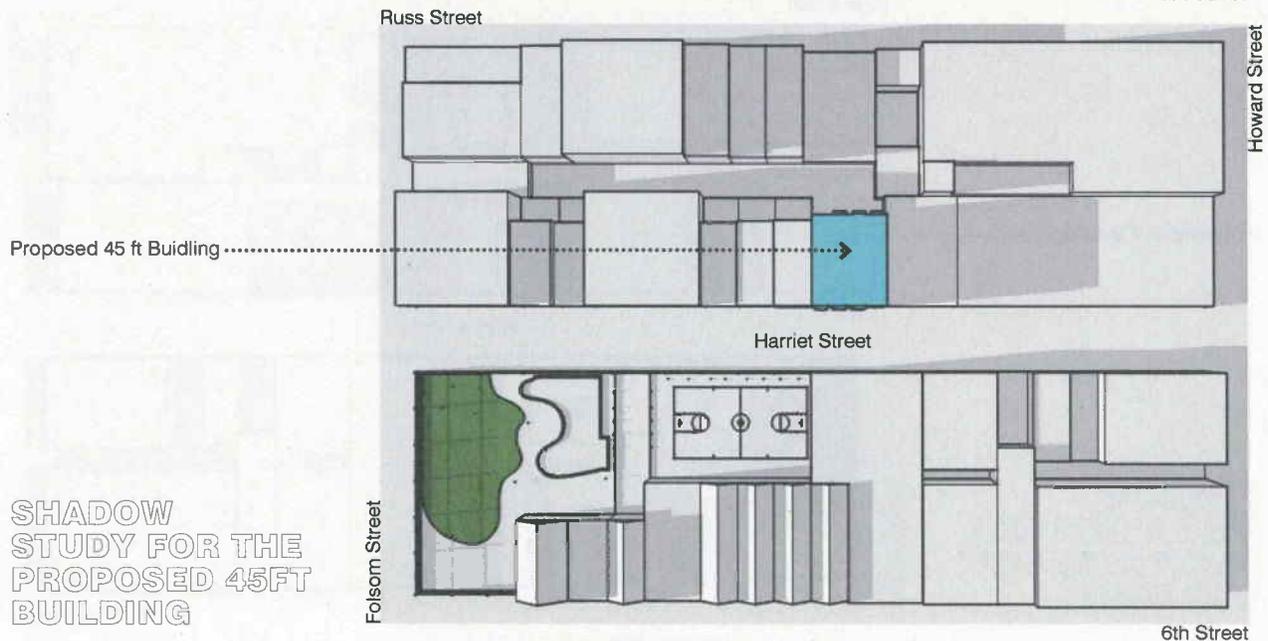
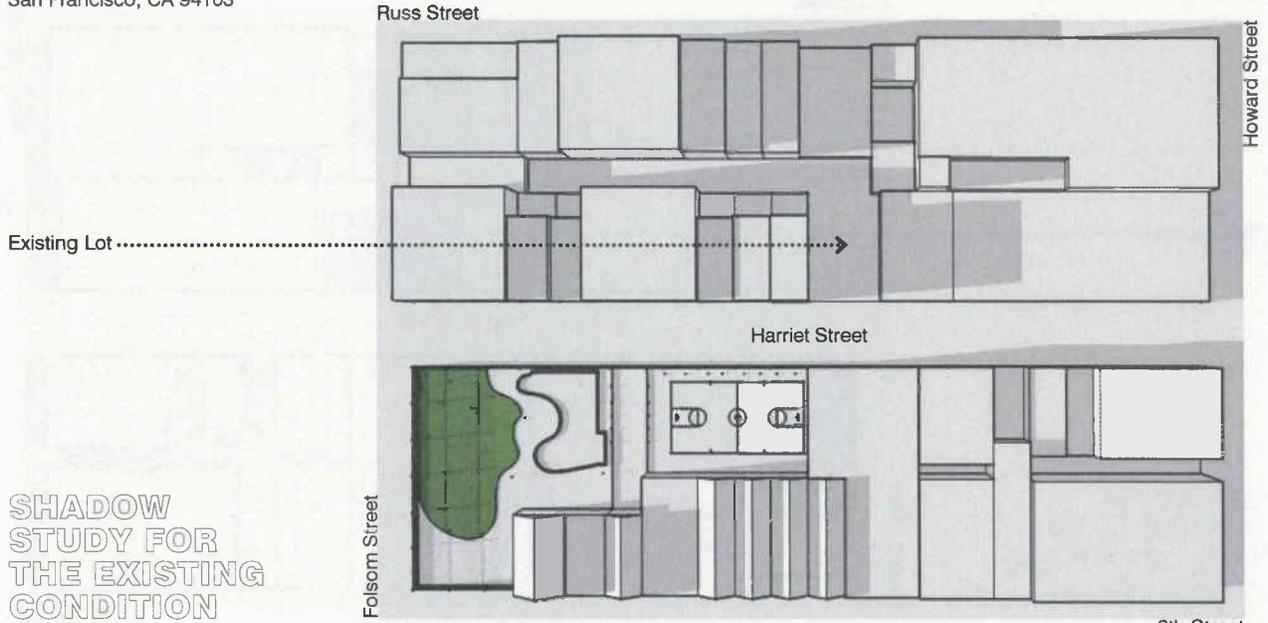
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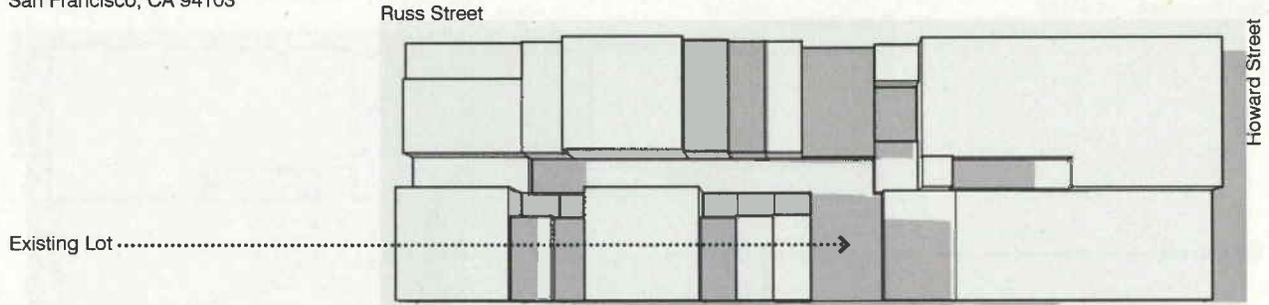




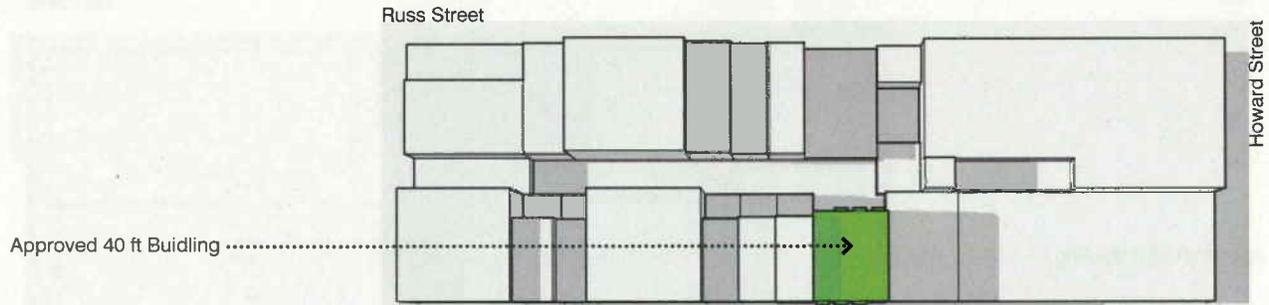
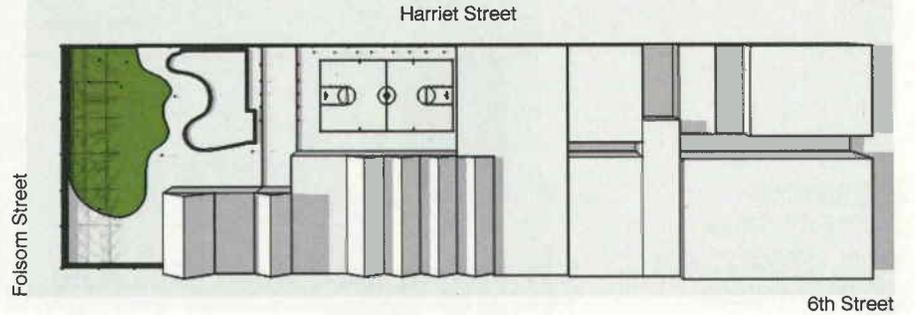




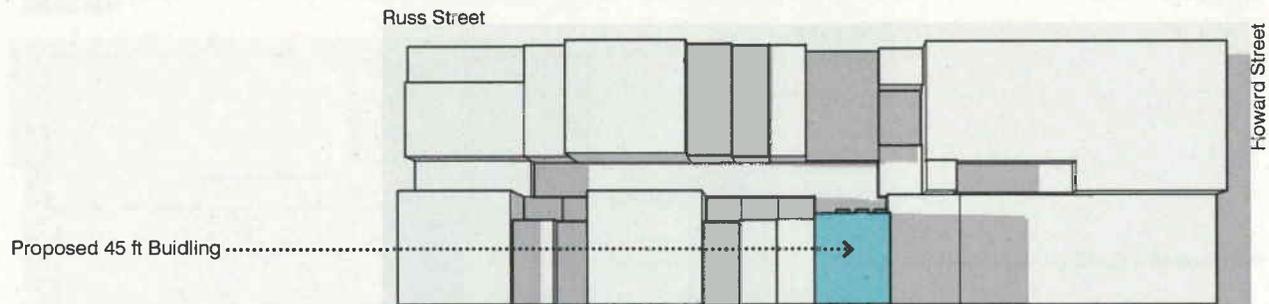
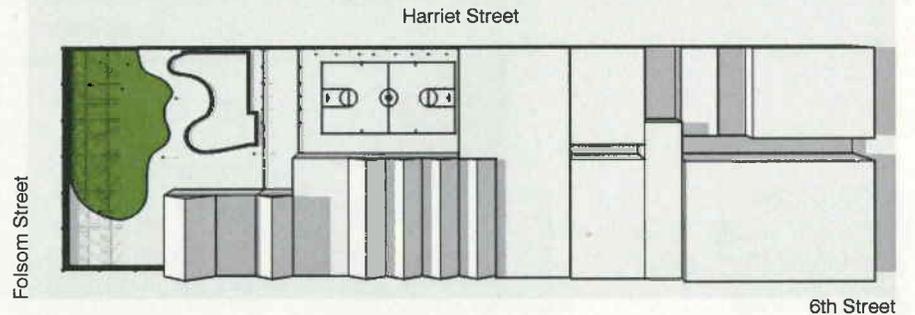




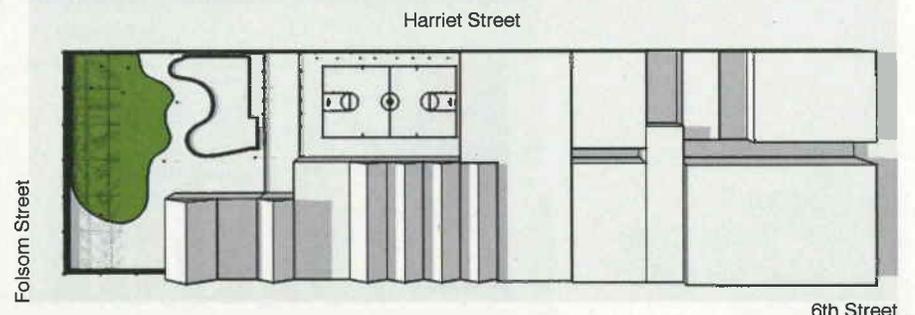
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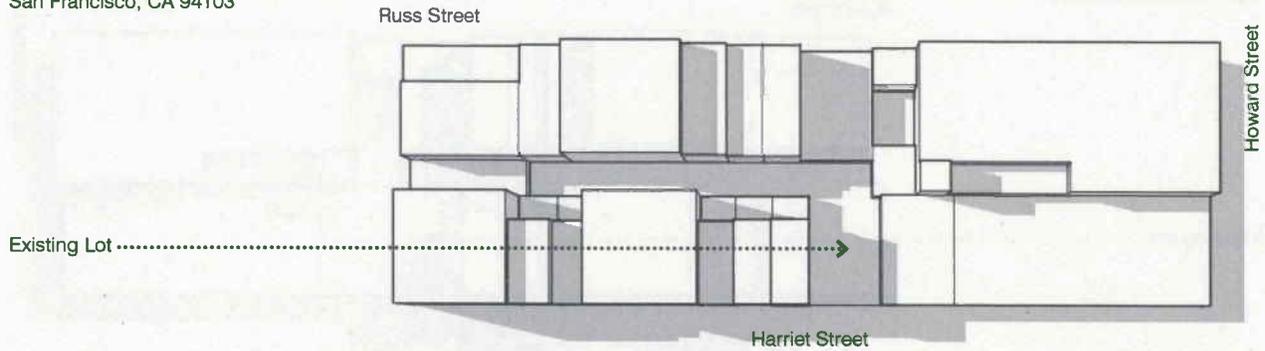


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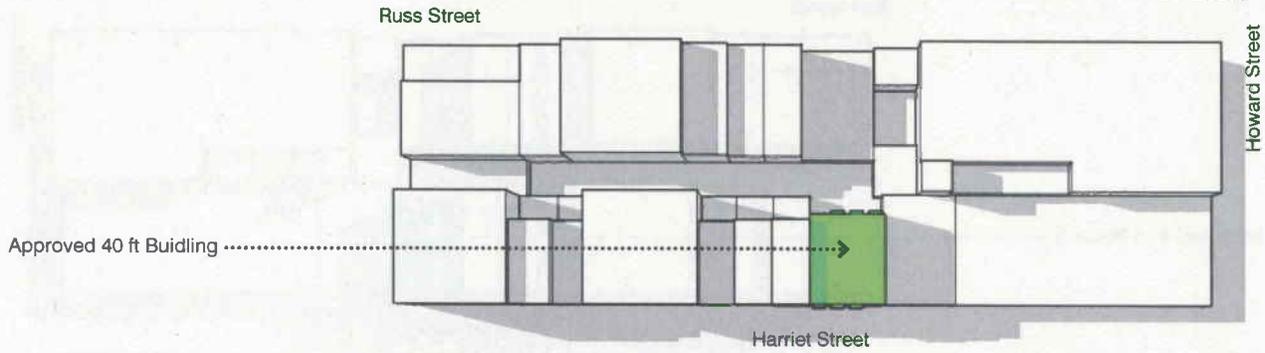
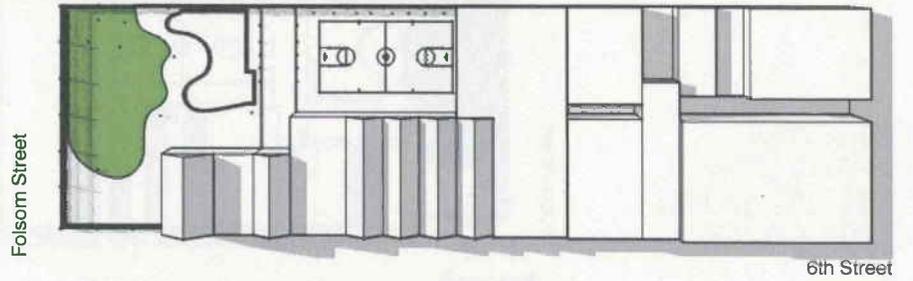


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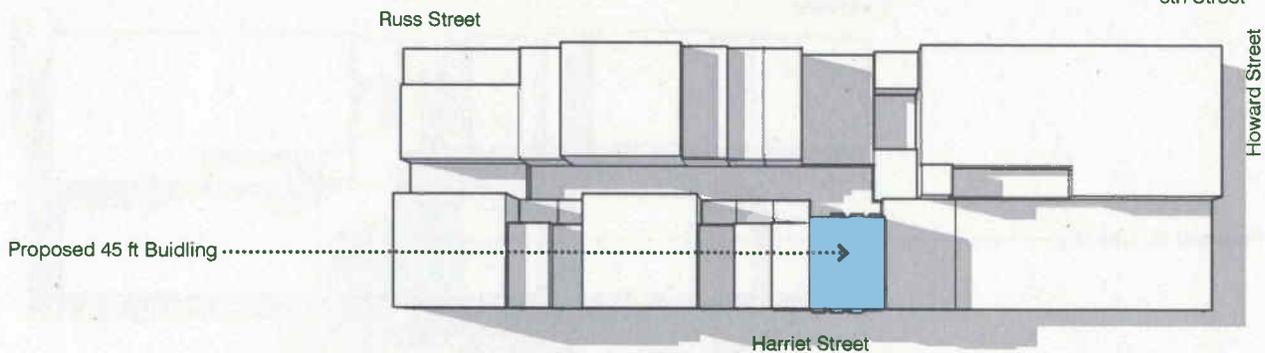
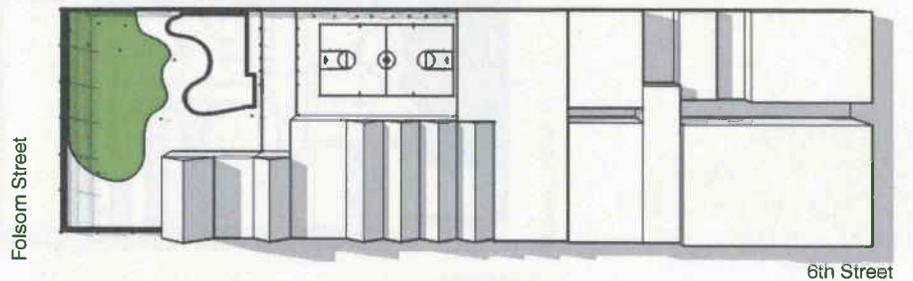




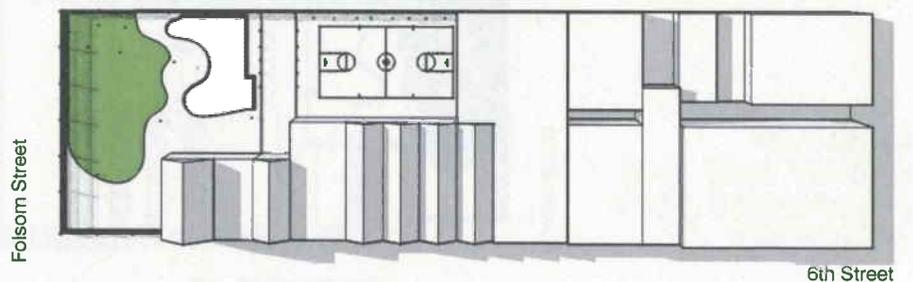
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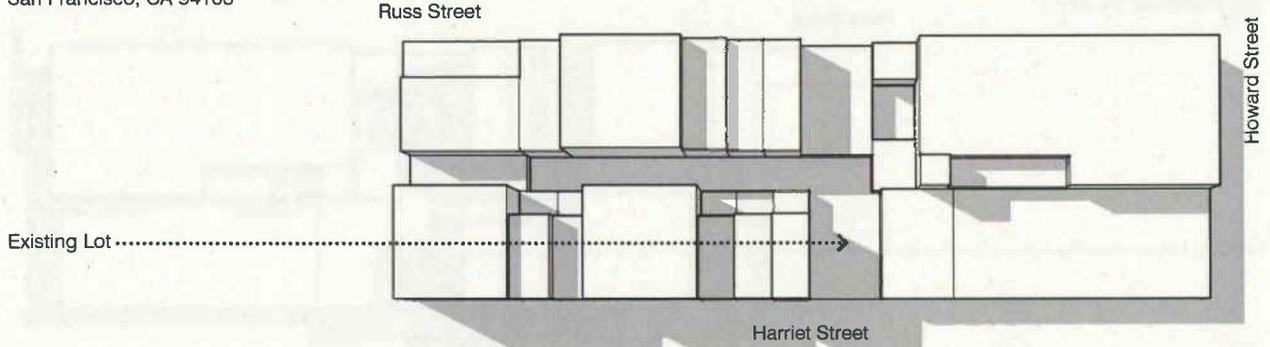


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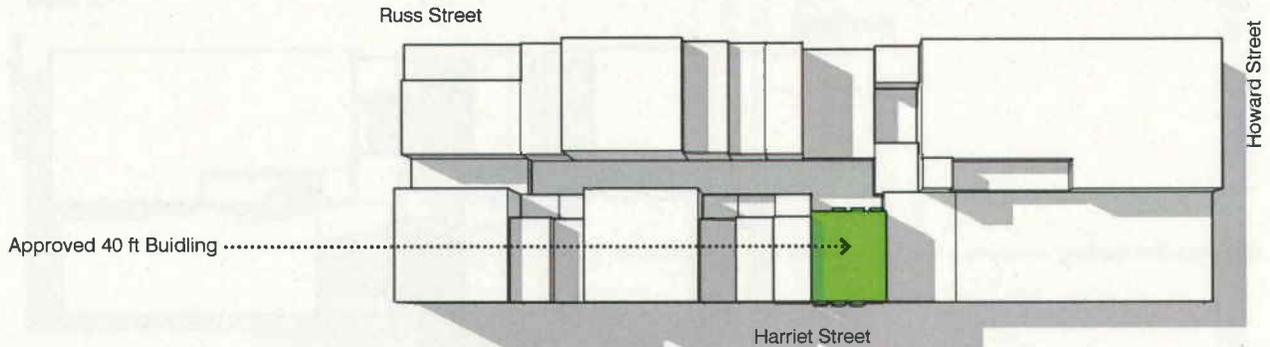
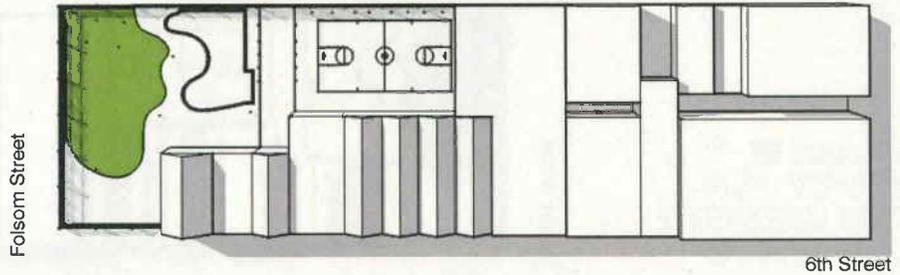


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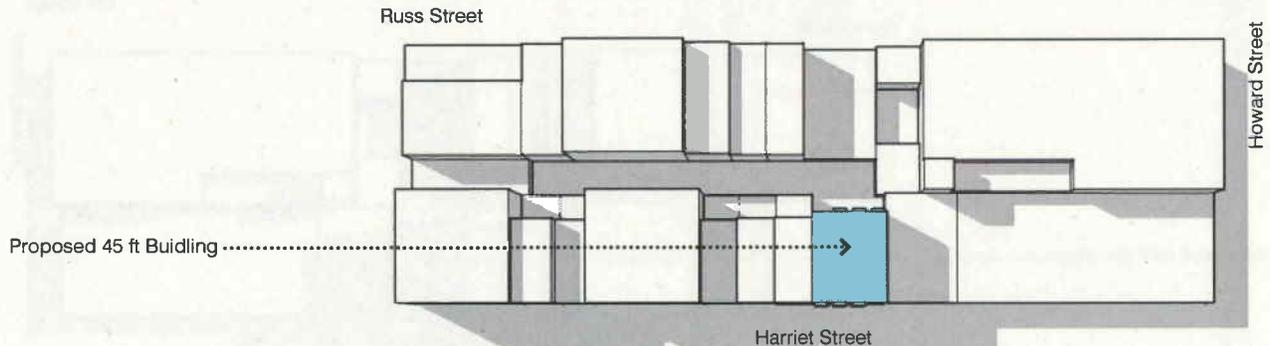
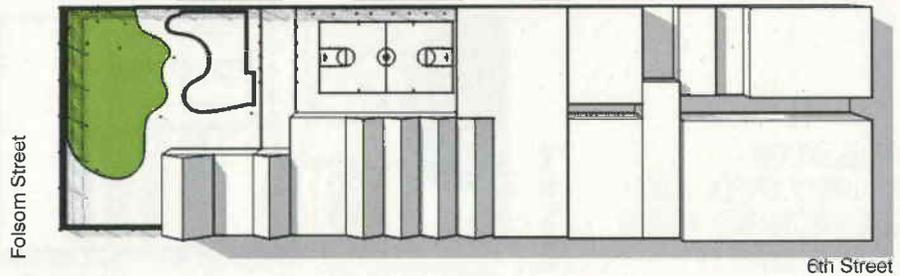




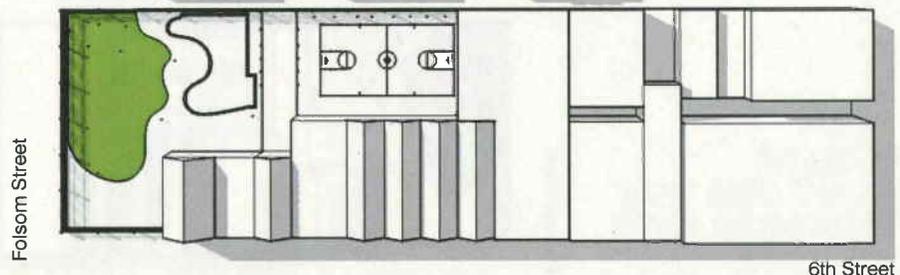
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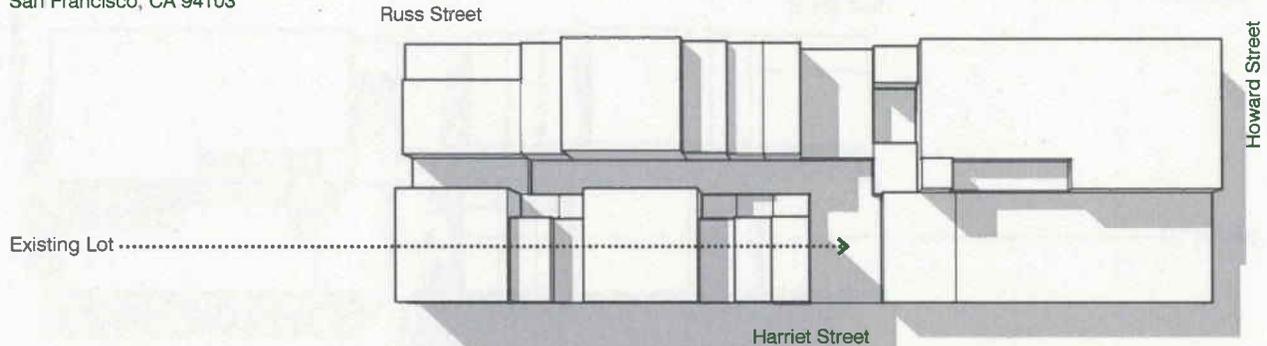


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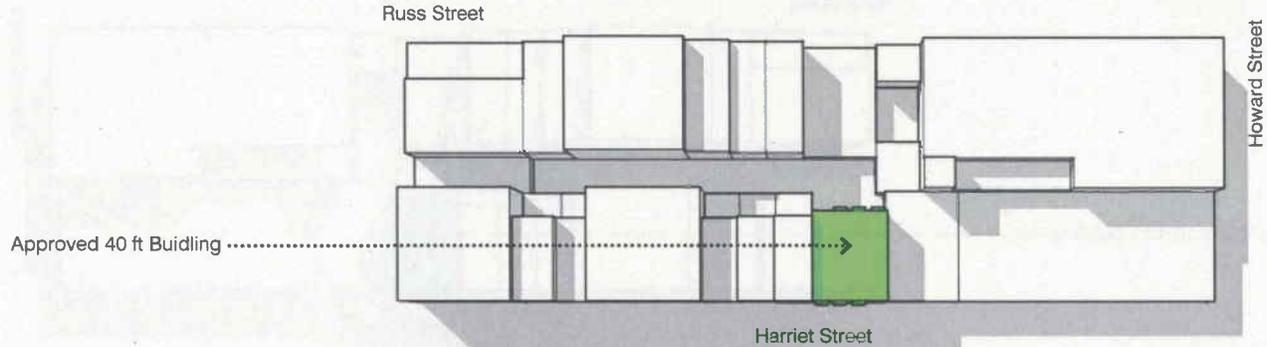
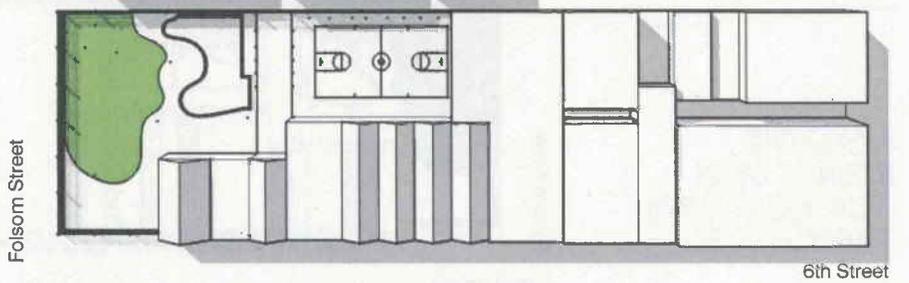


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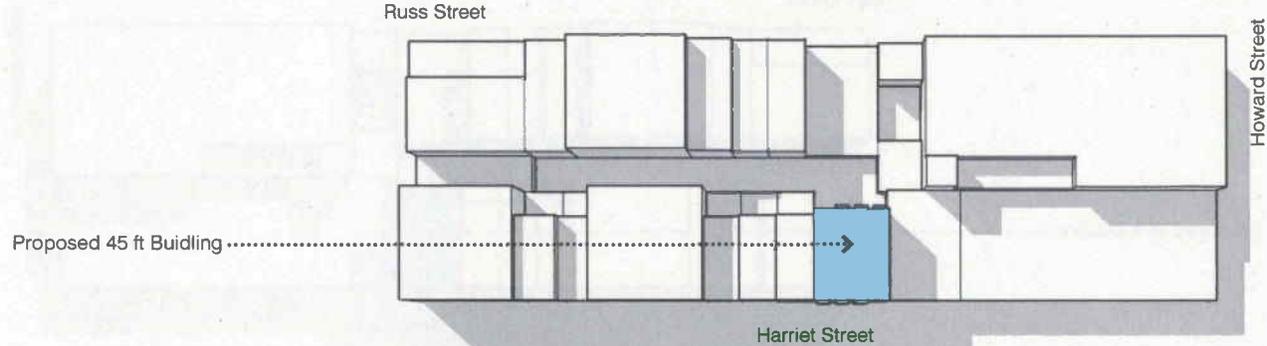
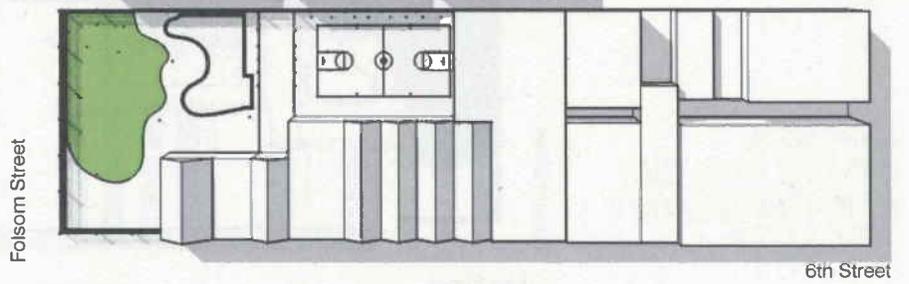




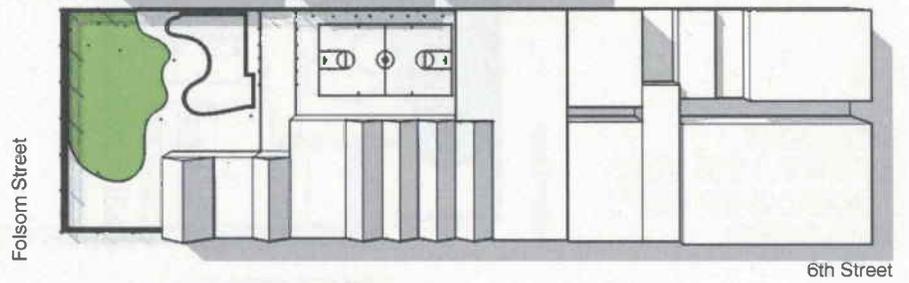
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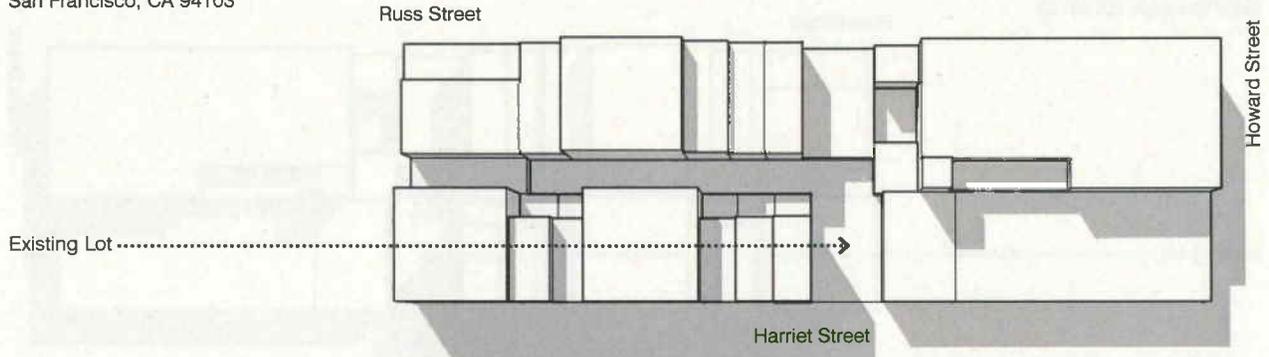


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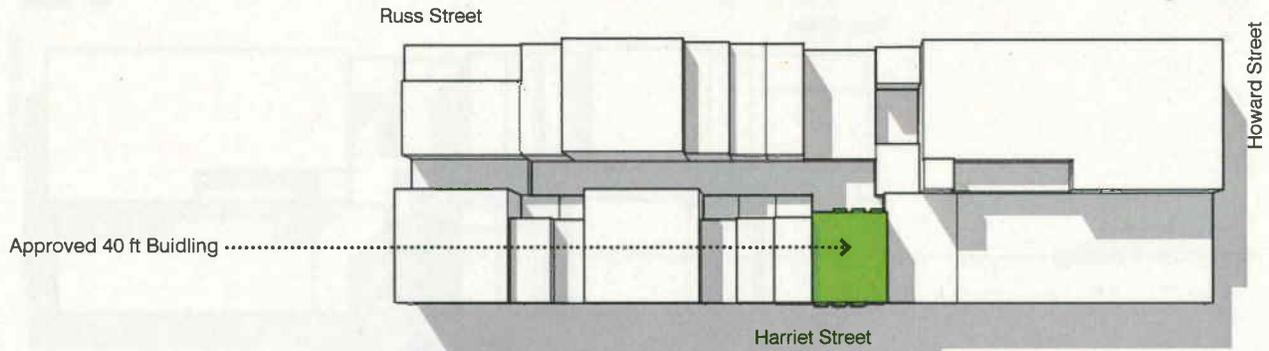
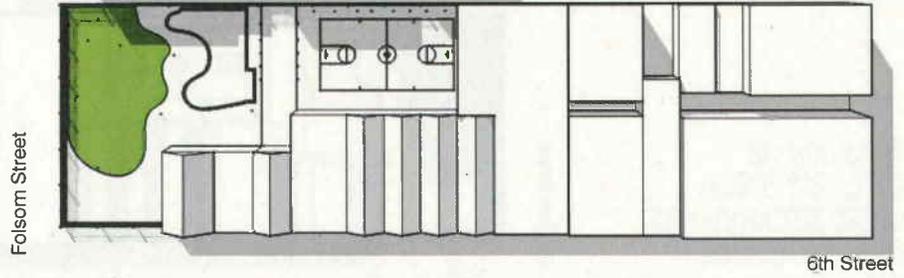


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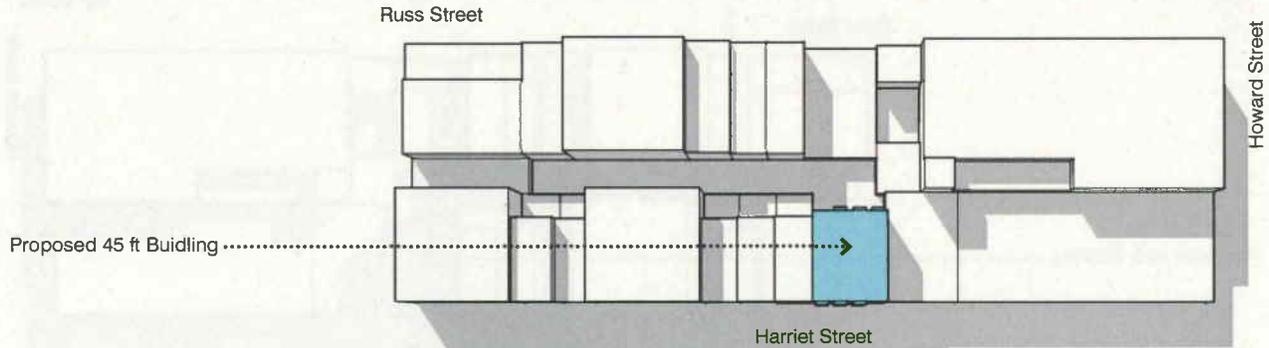
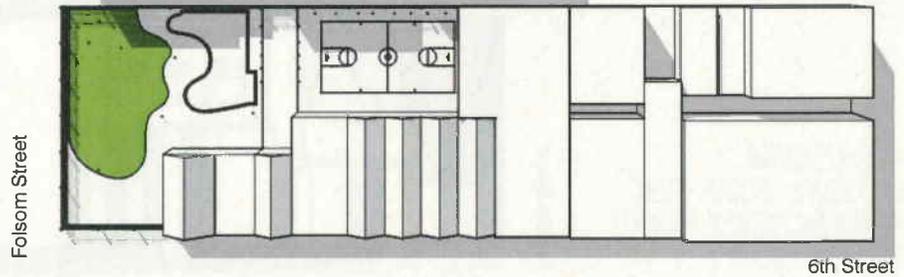




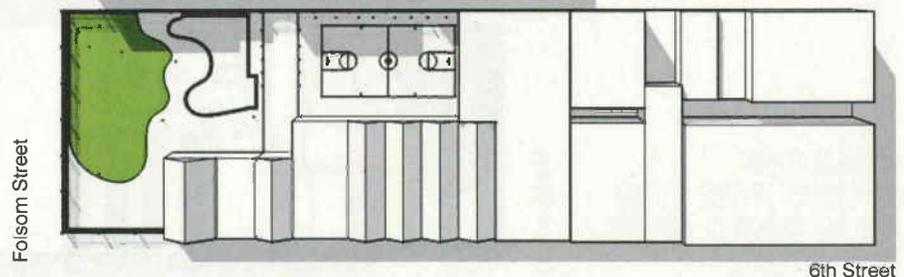
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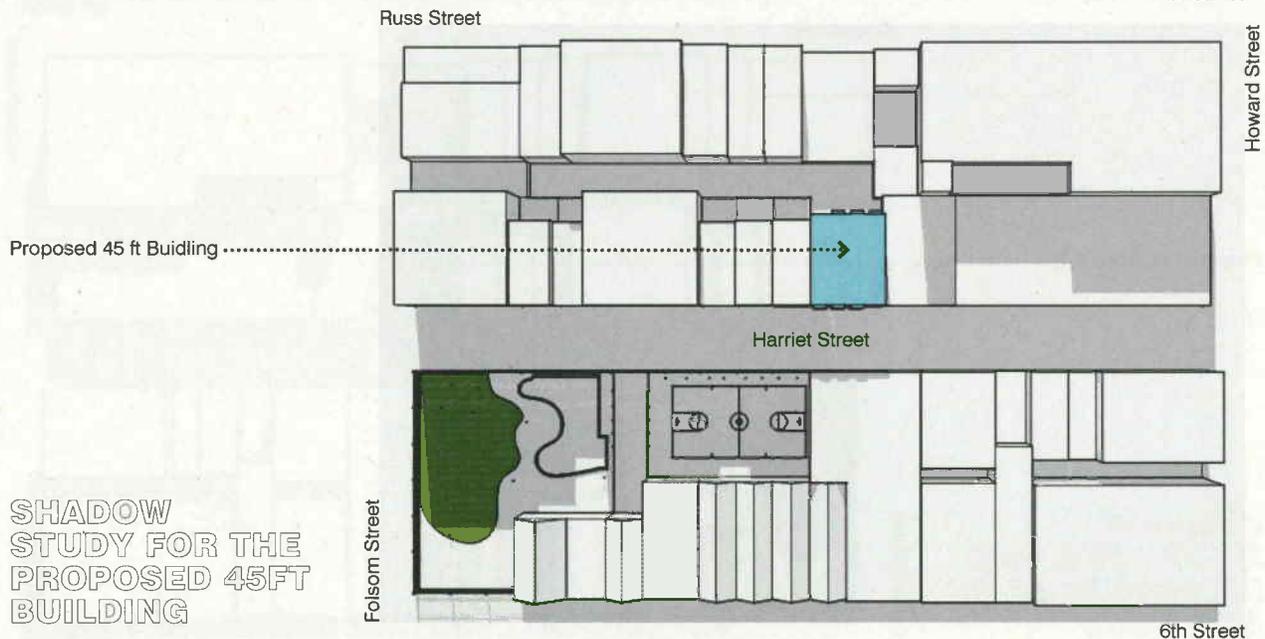
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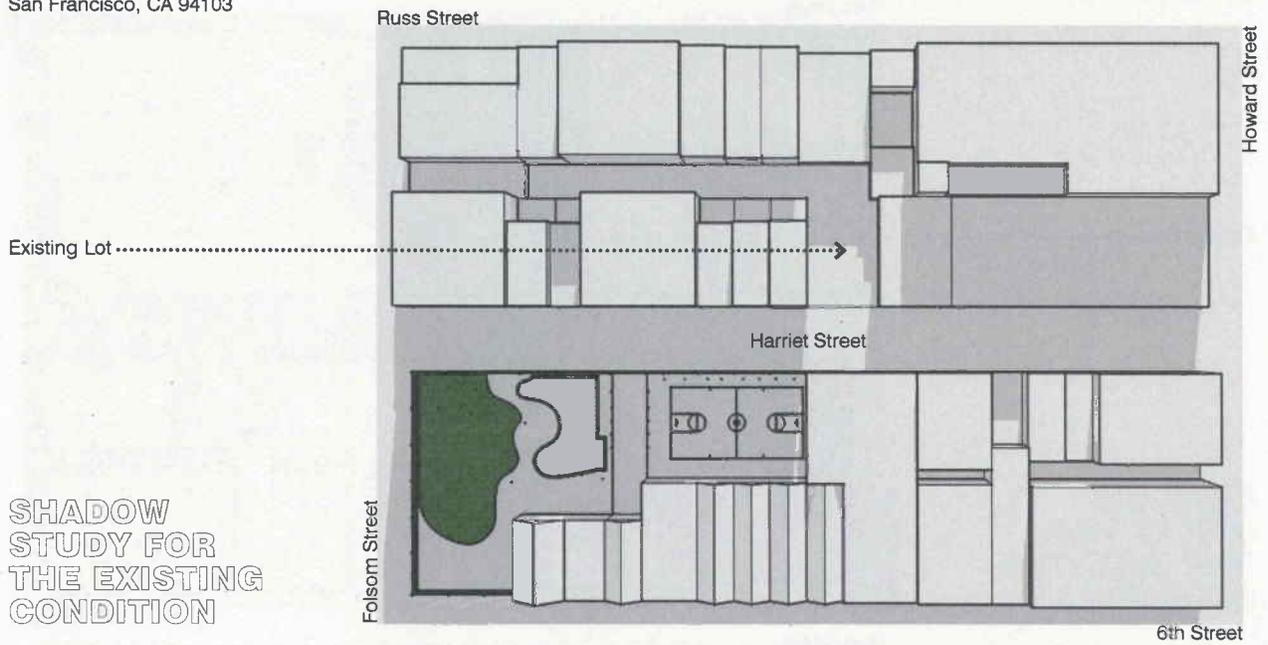
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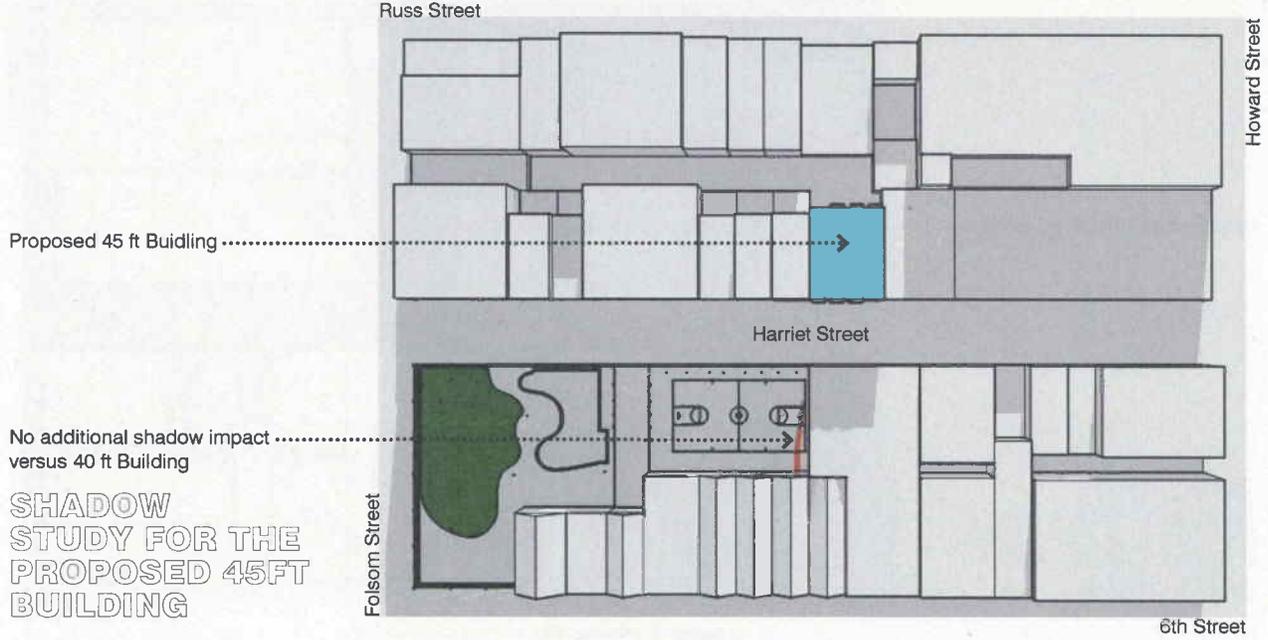
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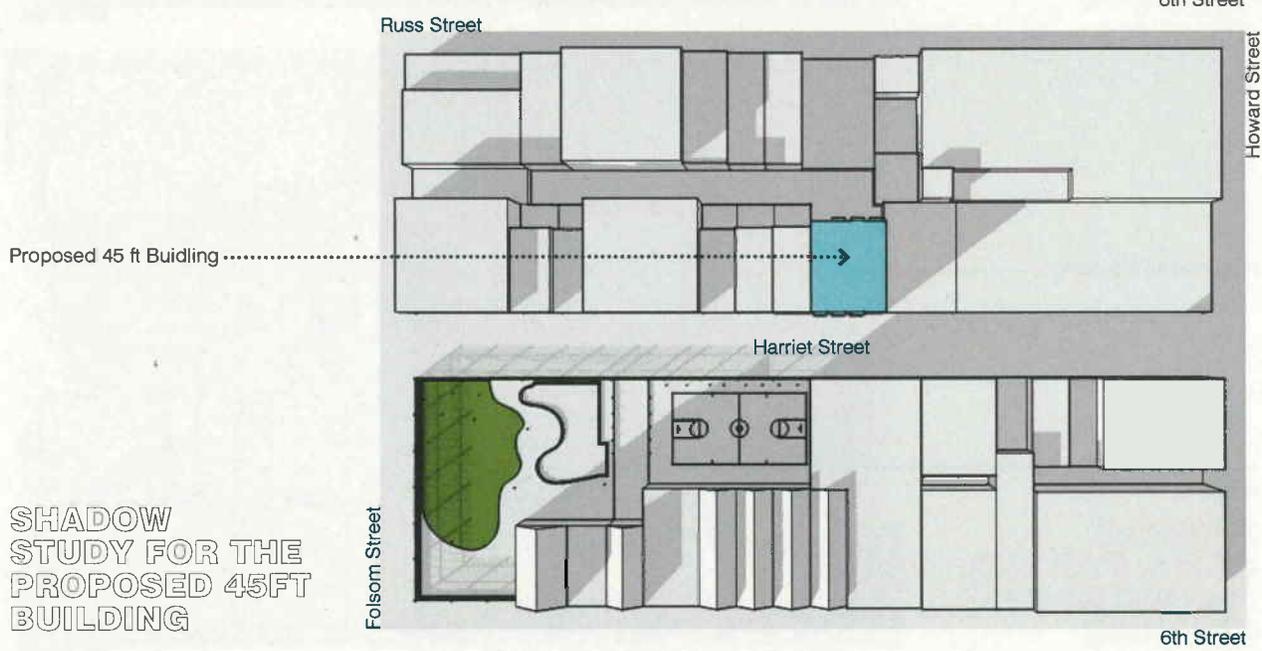
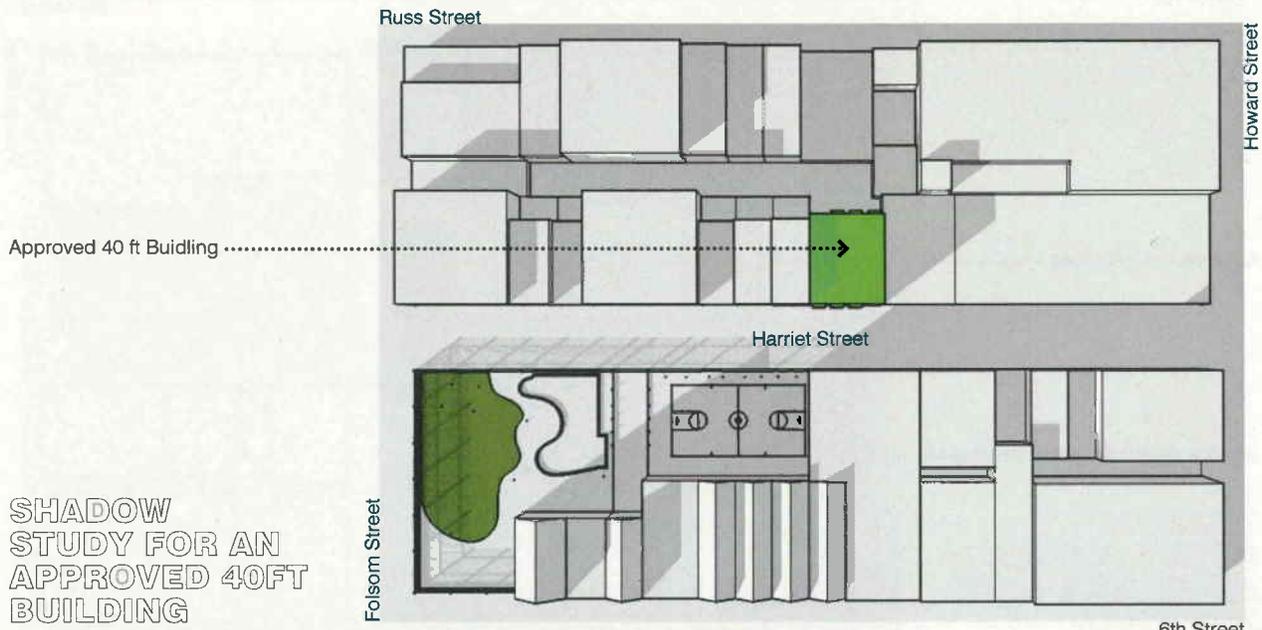
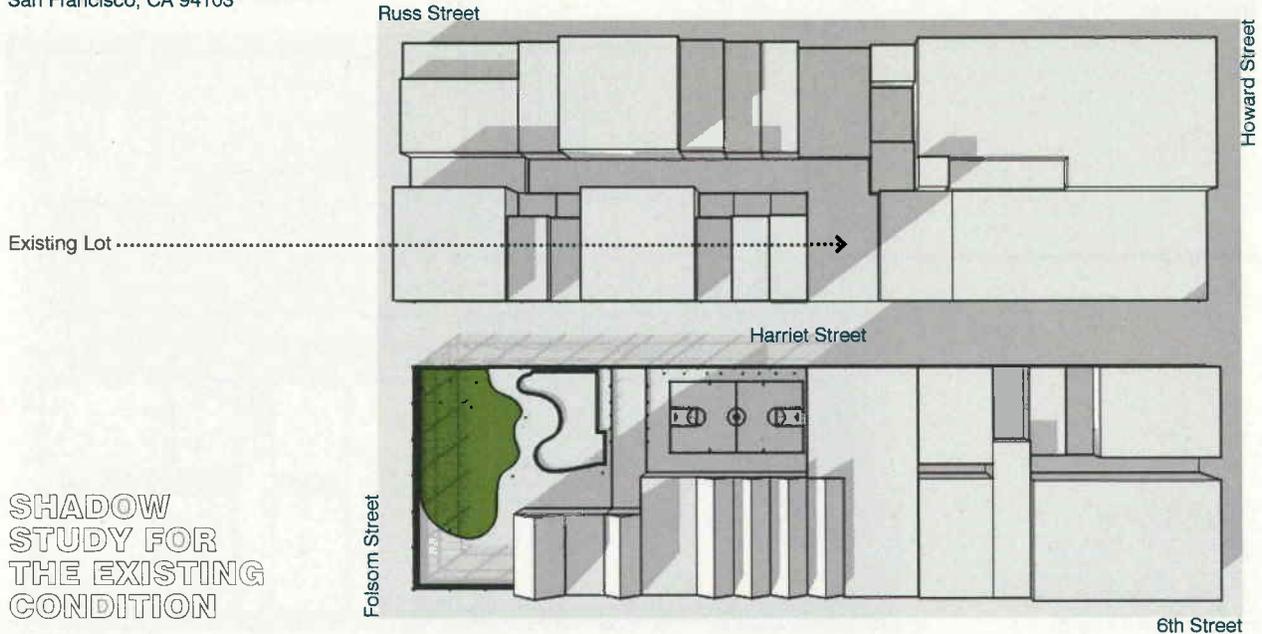


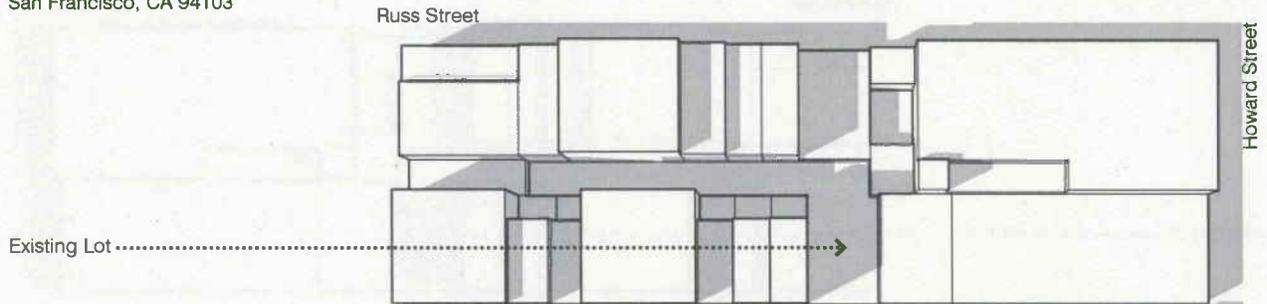
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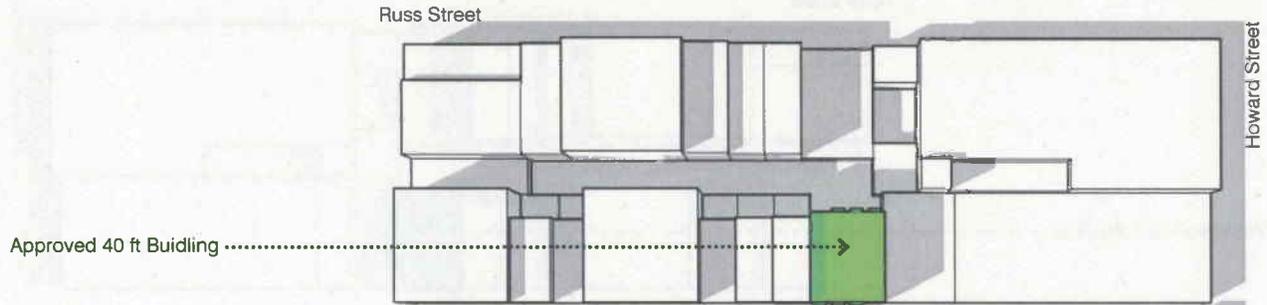
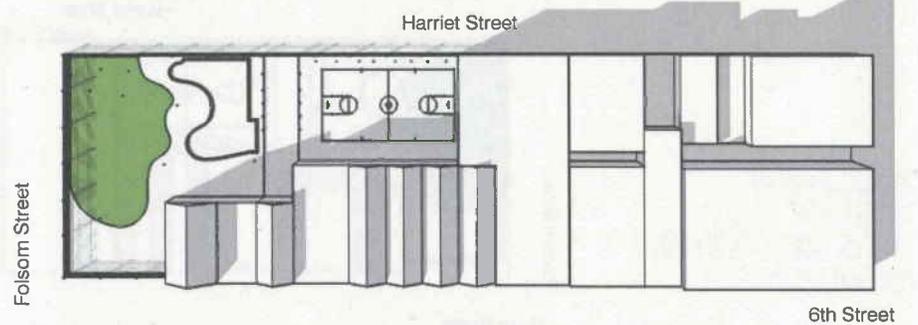
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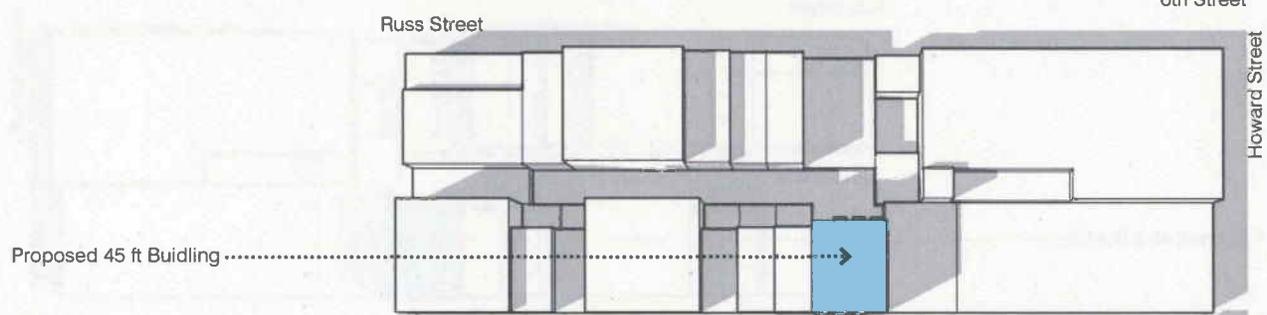
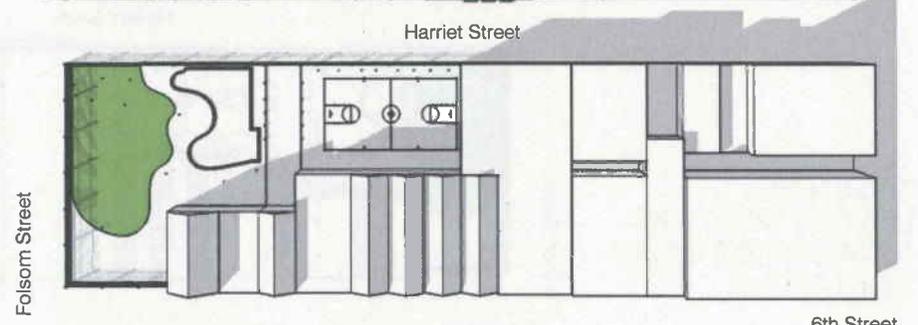




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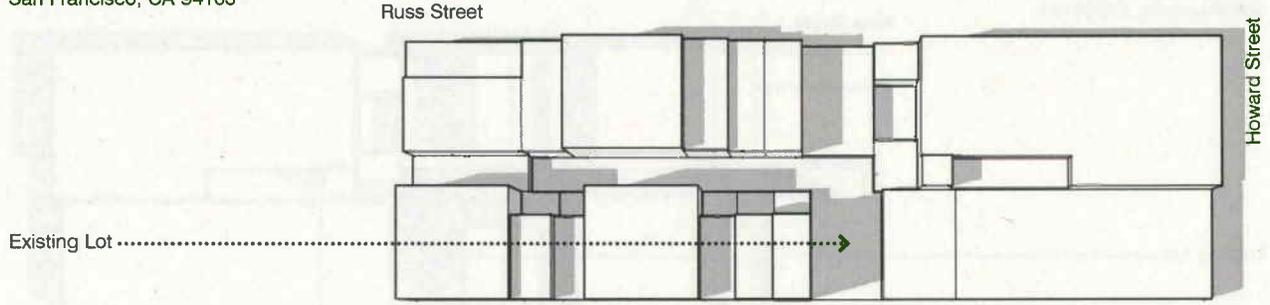


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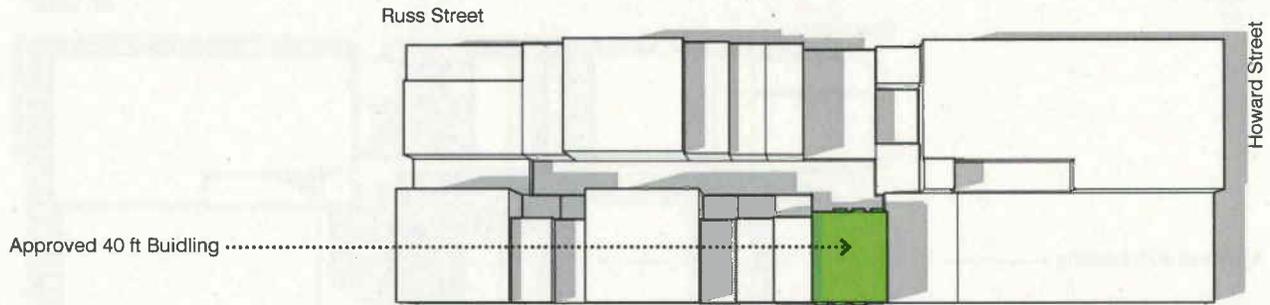
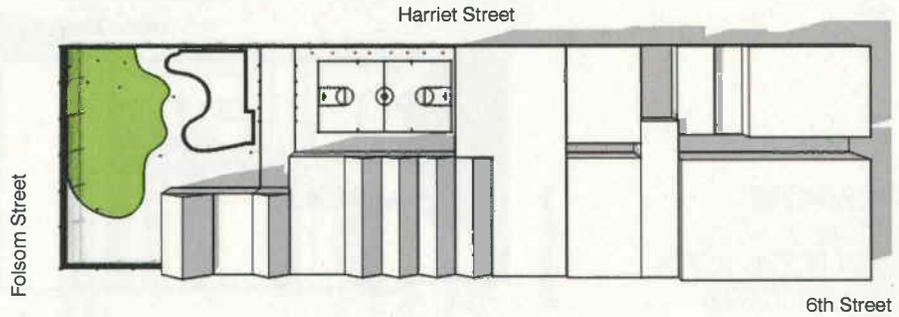


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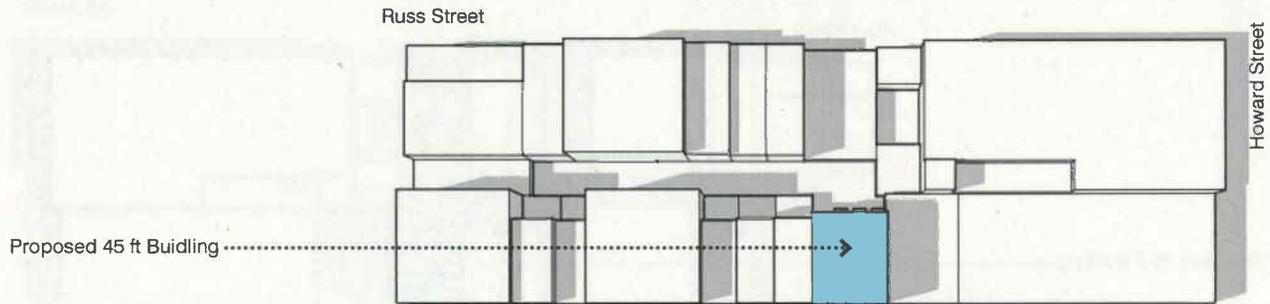
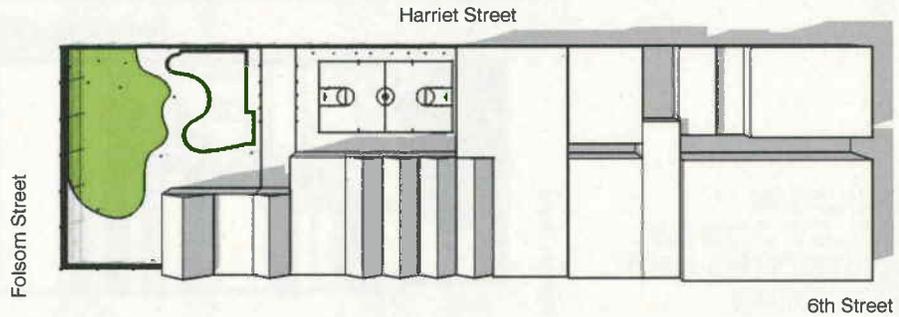




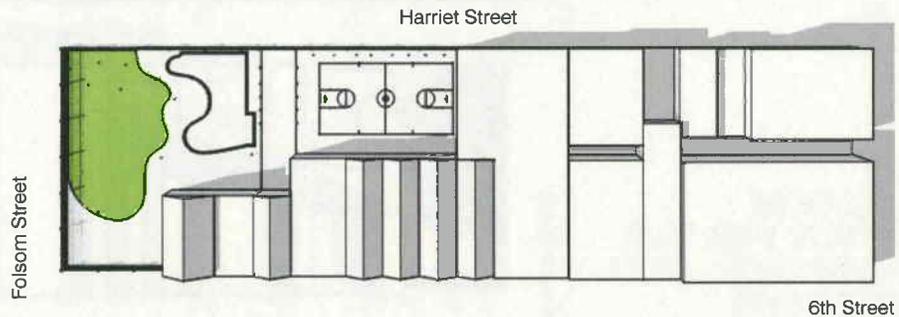
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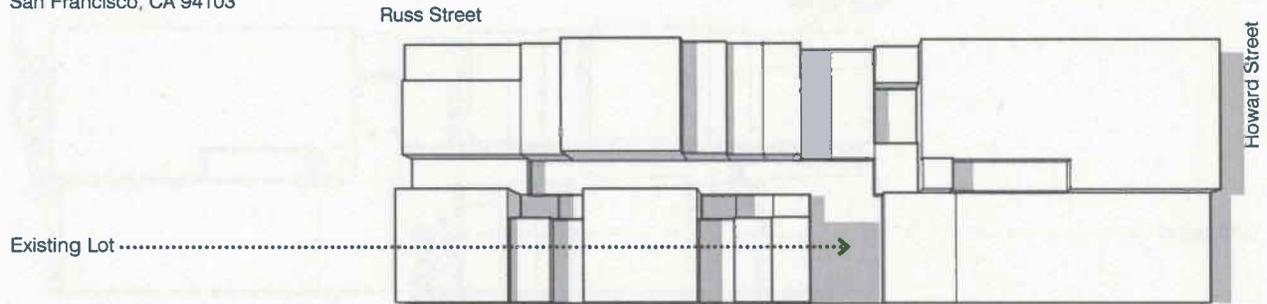


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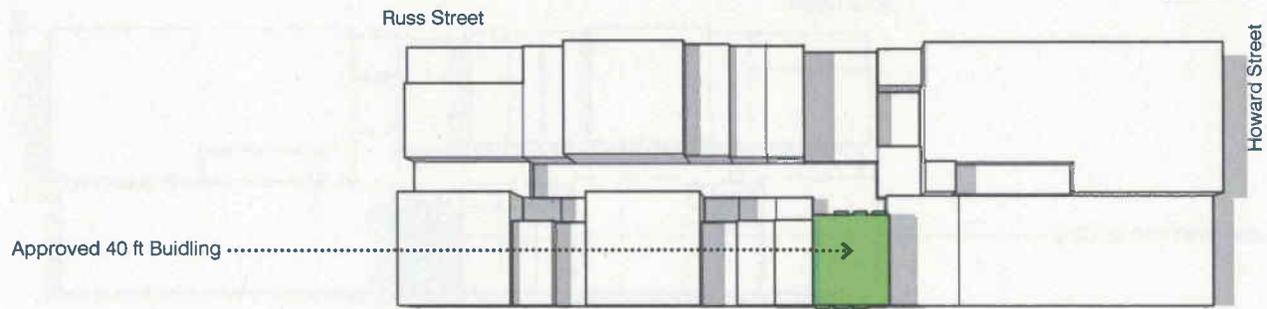
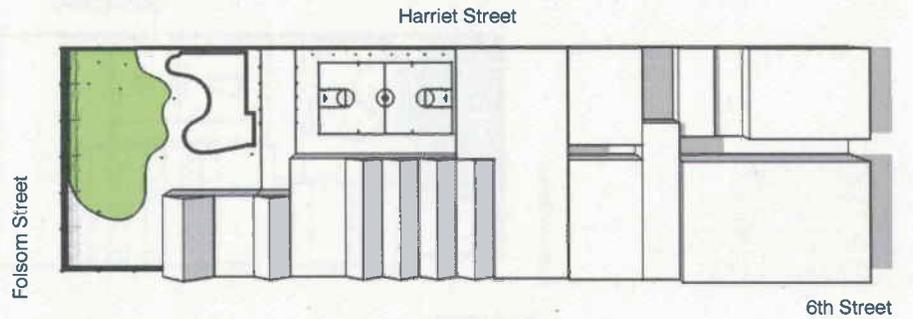


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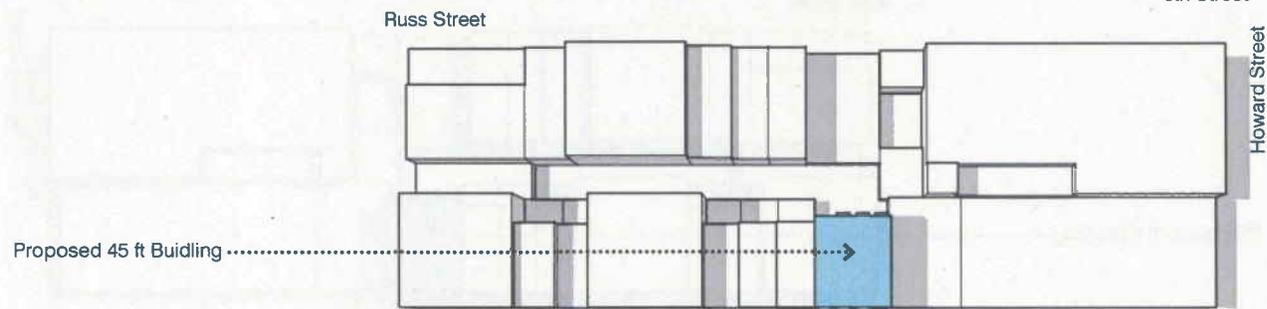
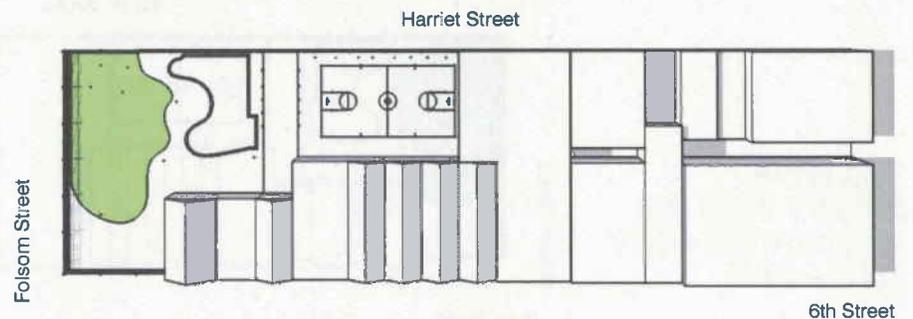




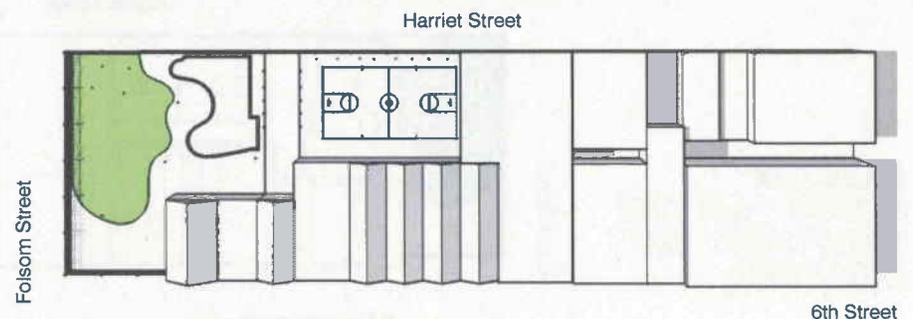
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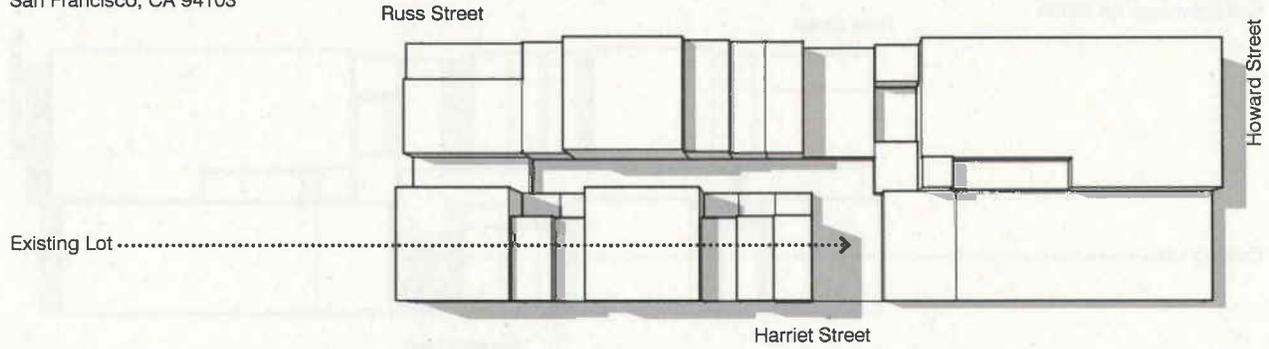


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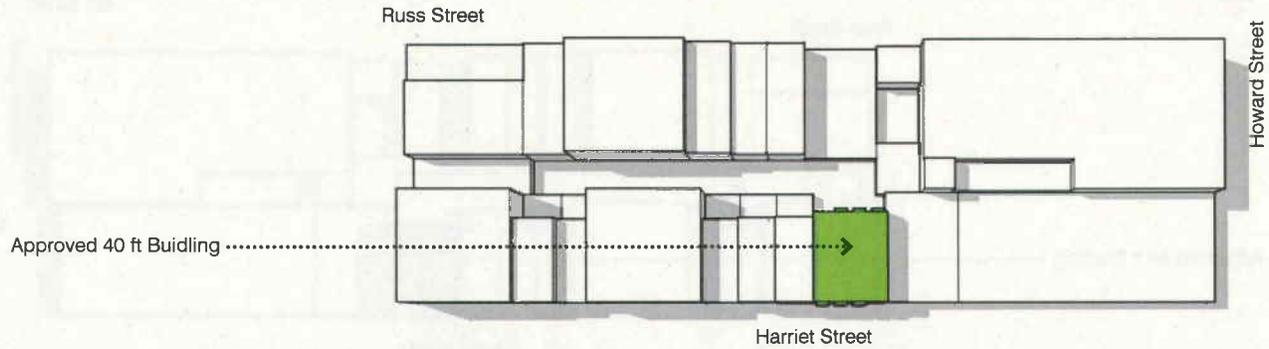
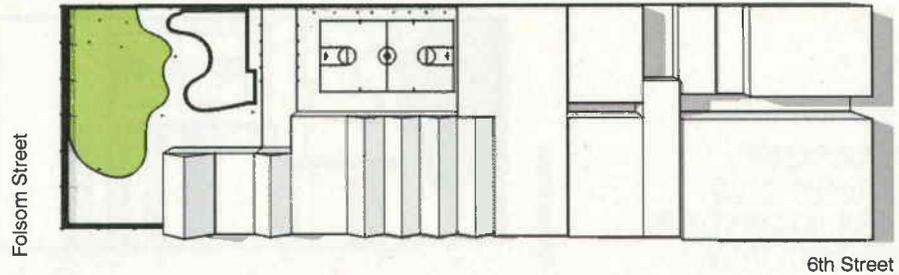


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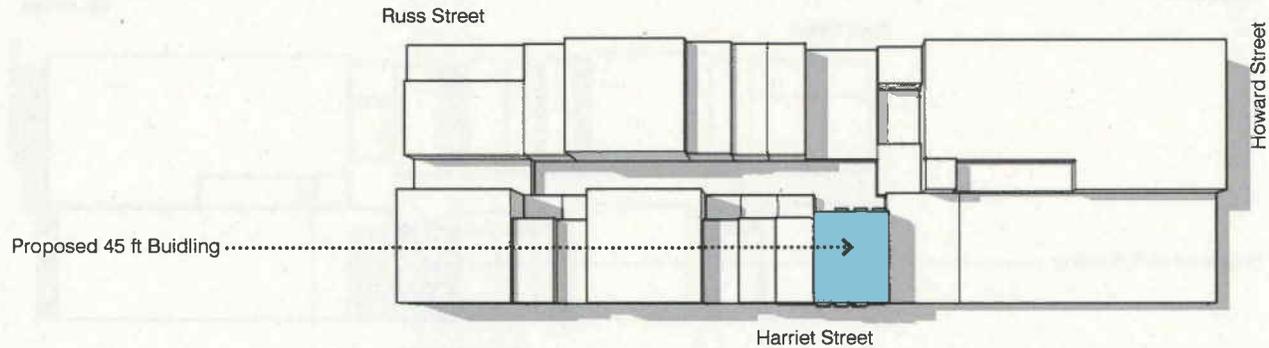
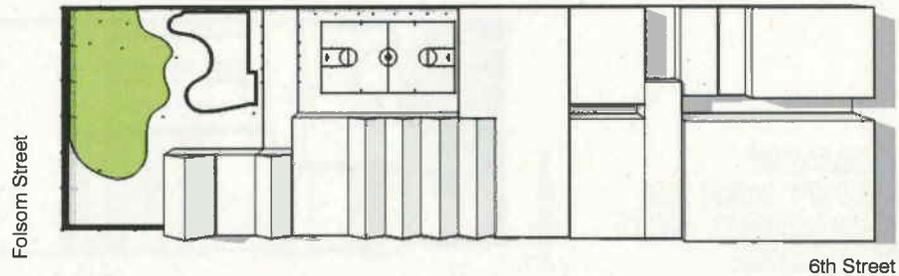




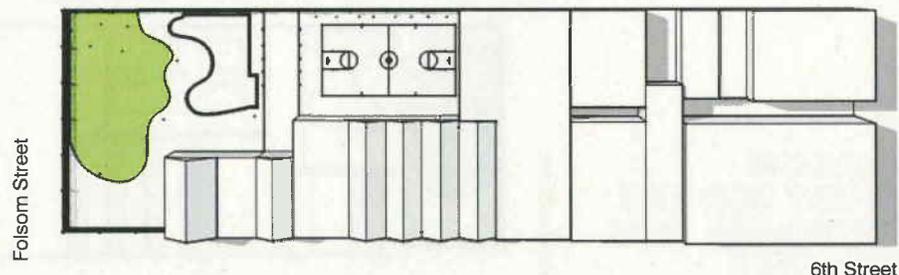
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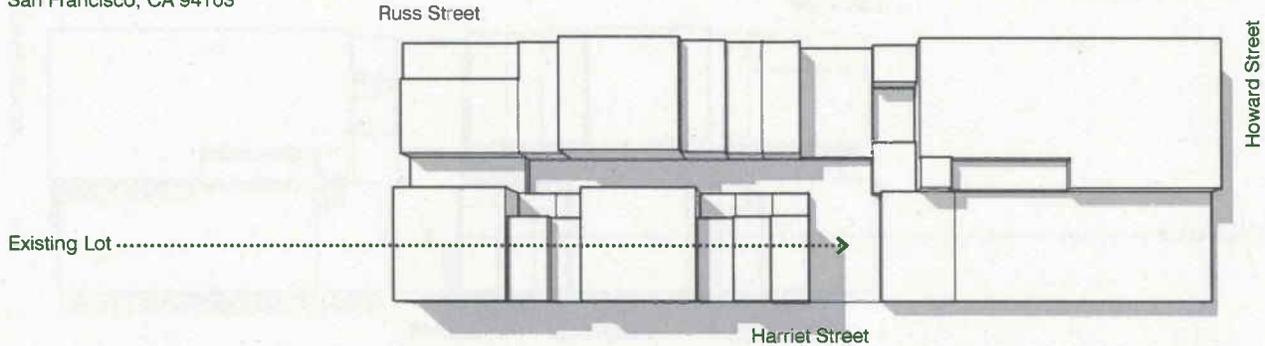


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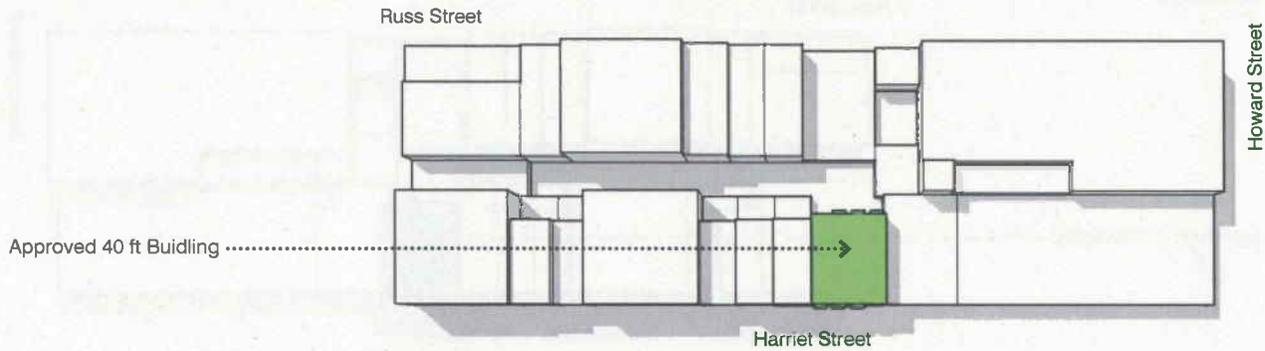
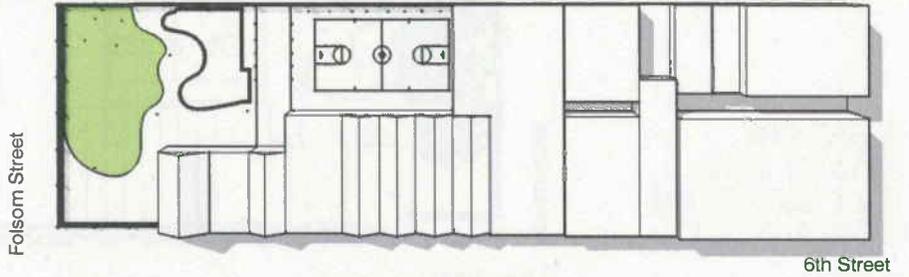


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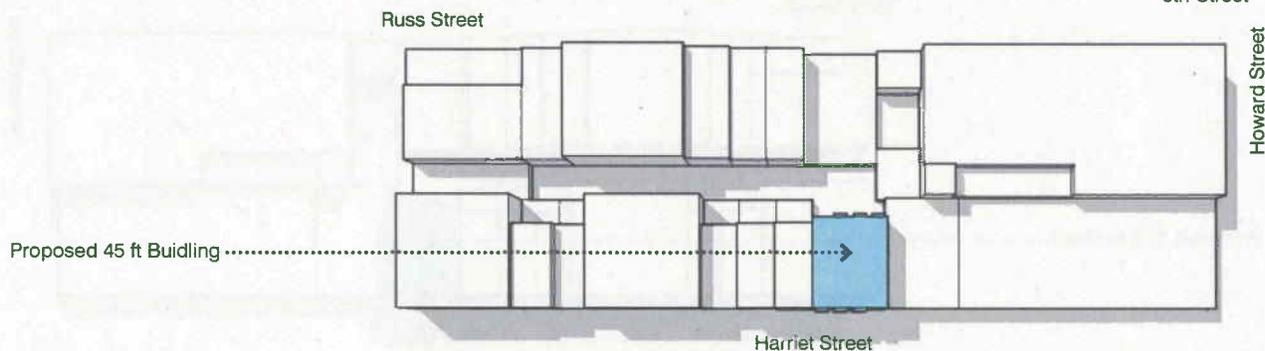
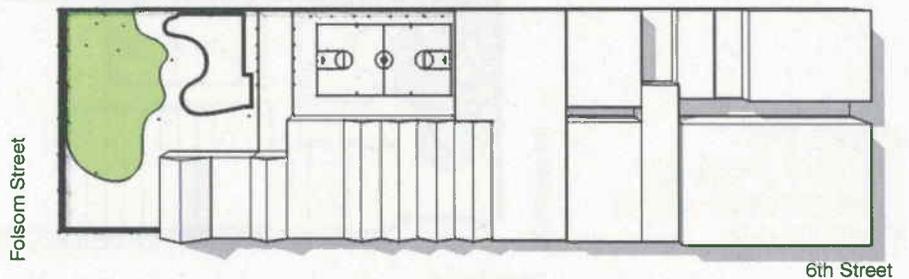




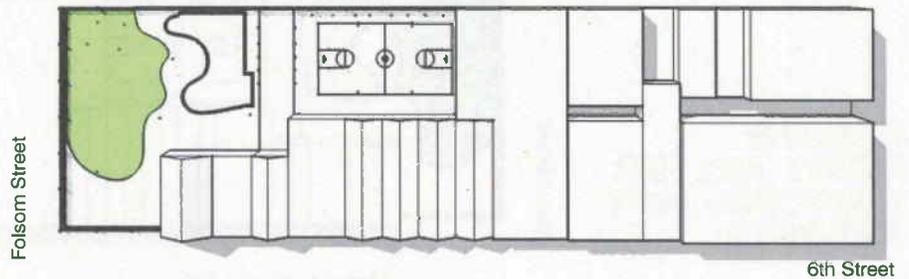
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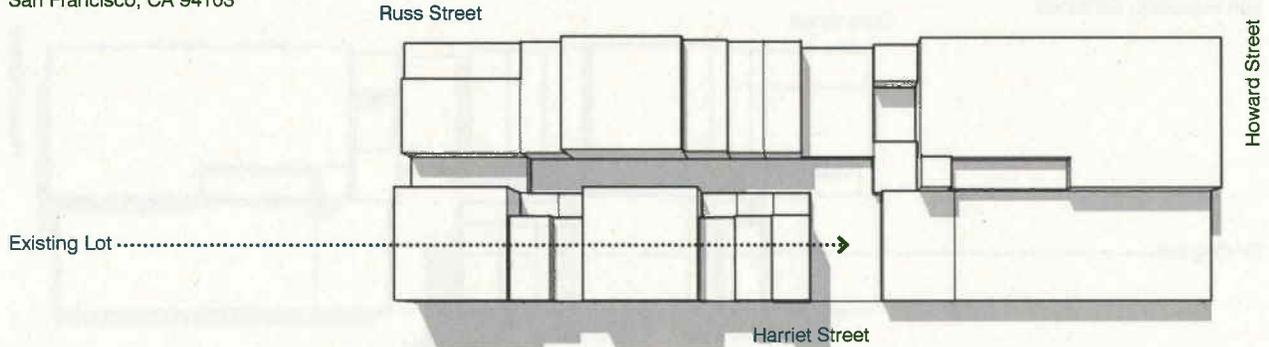


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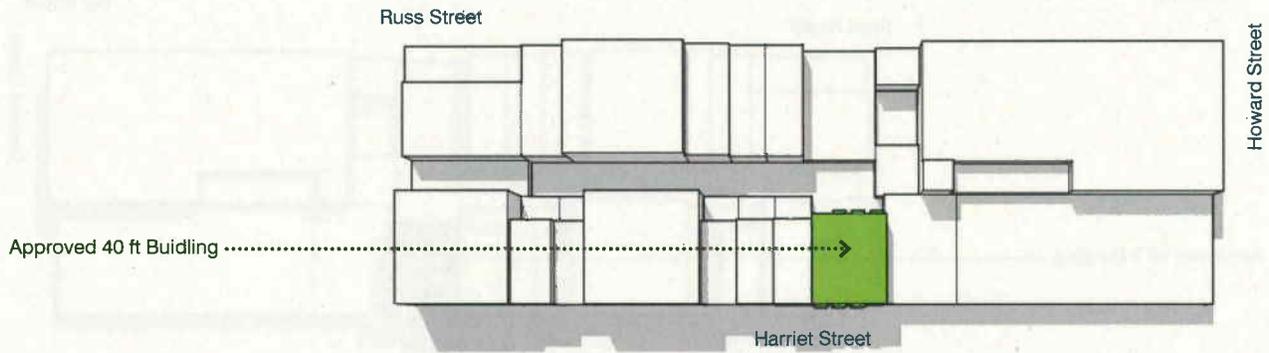
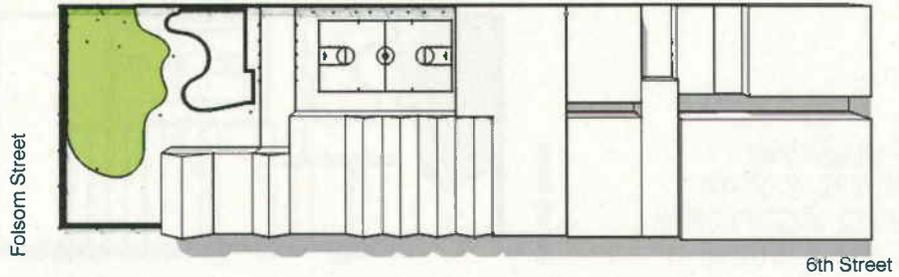


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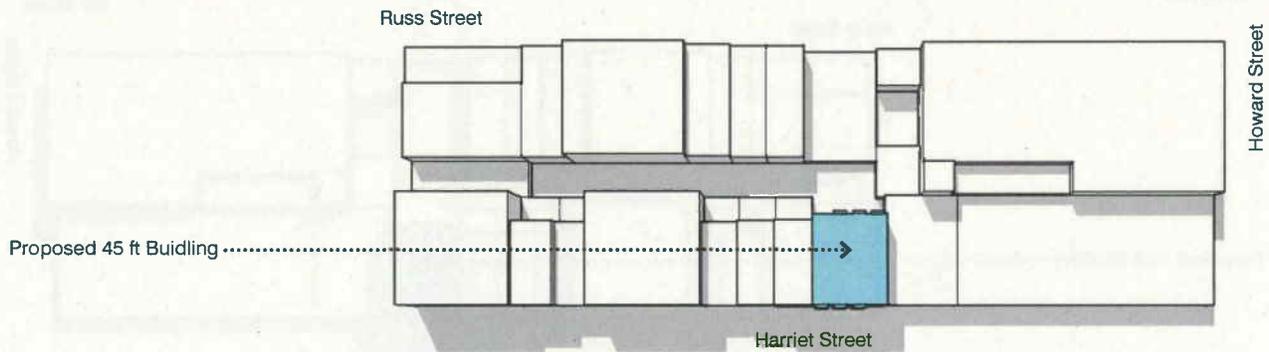
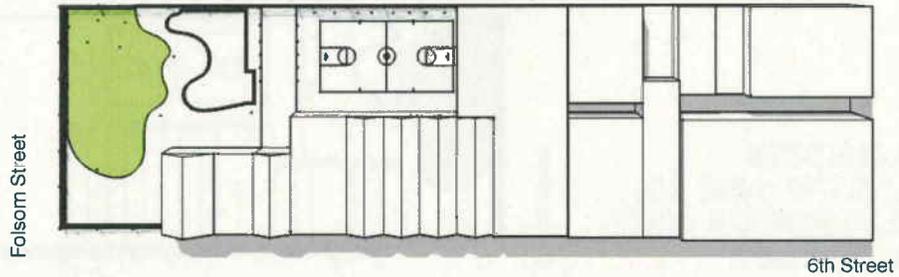




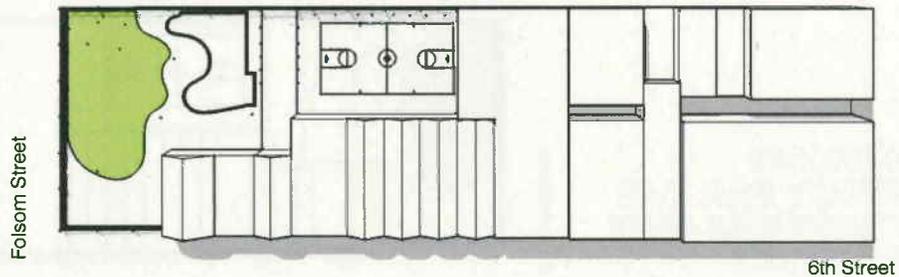
SHADOW
STUDY FOR
THE EXISTING
CONDITION



SHADOW
STUDY FOR AN
APPROVED 40FT
BUILDING

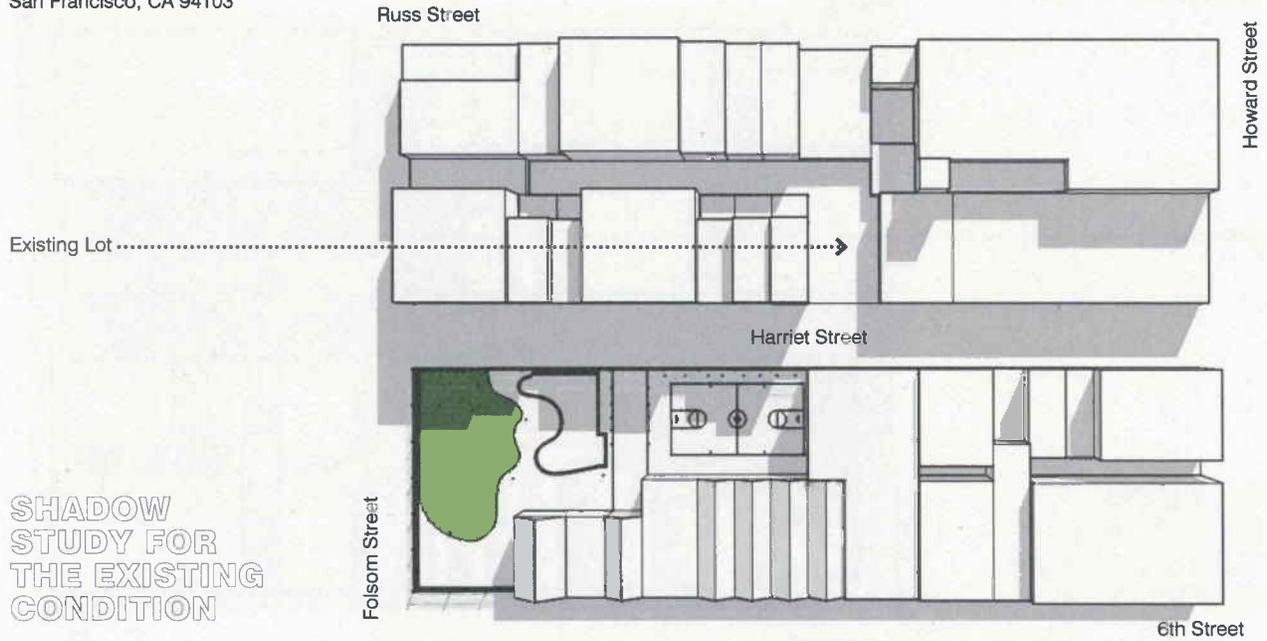


SHADOW
STUDY FOR THE
PROPOSED 45FT
BUILDING









SHADOW
 STUDY FOR
 THE EXISTING
 CONDITION

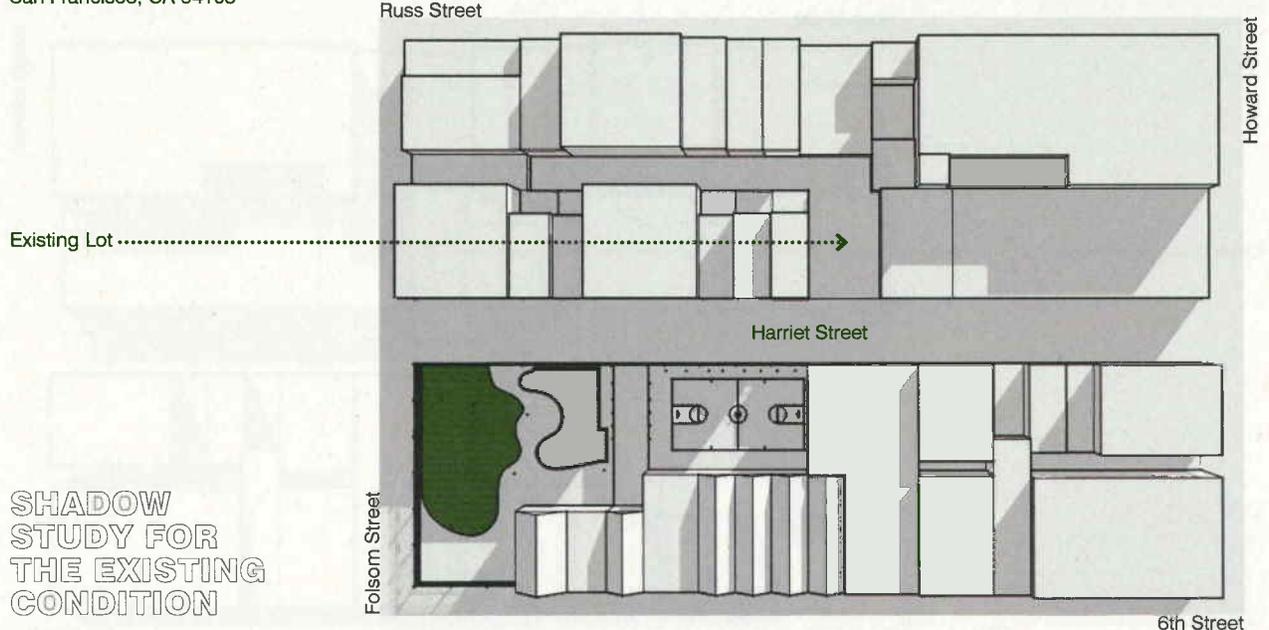


SHADOW
 STUDY FOR AN
 APPROVED 40FT
 BUILDING



SHADOW
 STUDY FOR THE
 PROPOSED 45FT
 BUILDING

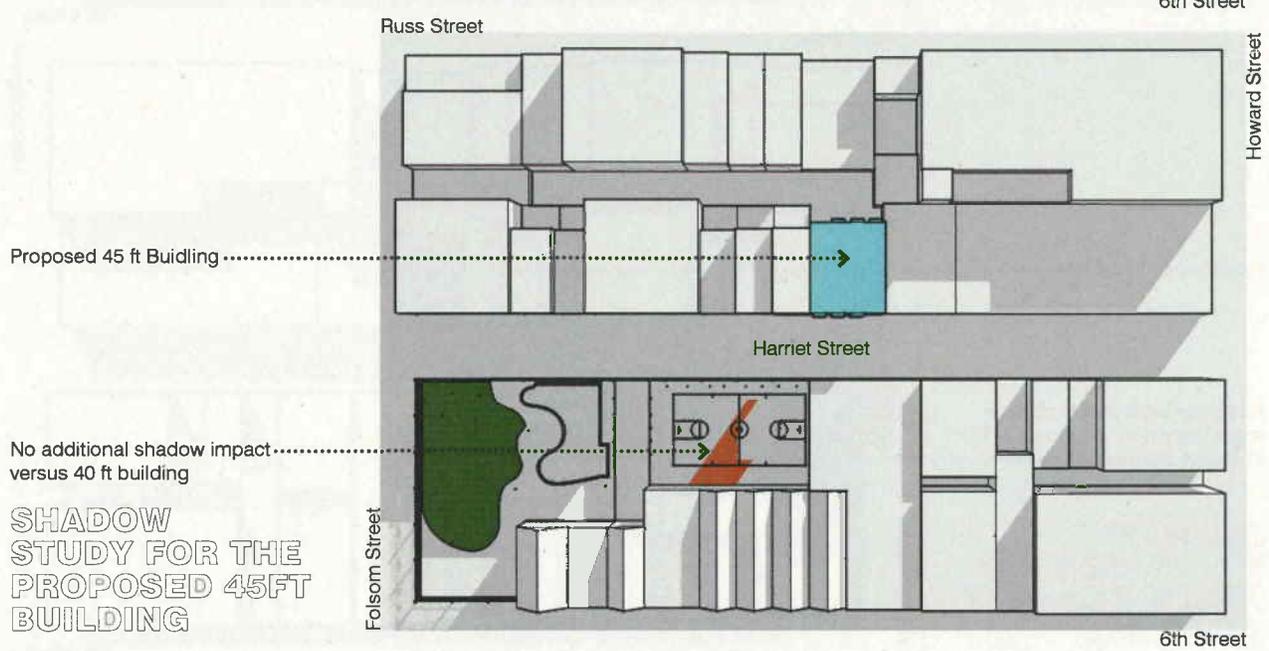
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CONDITION

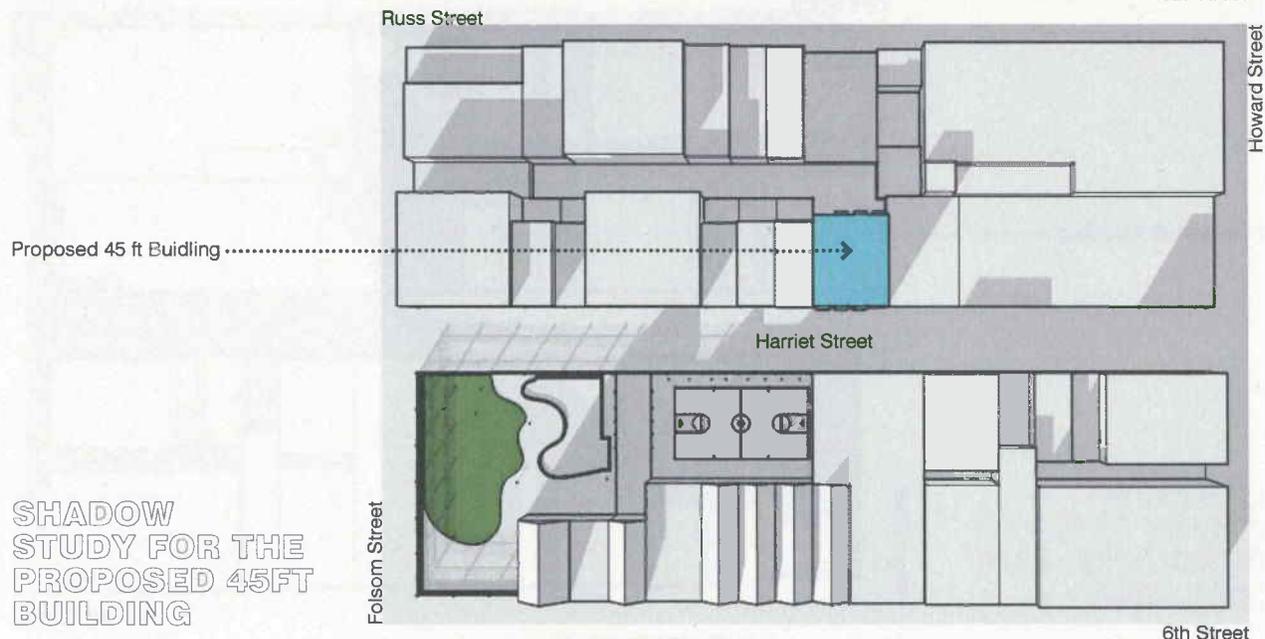
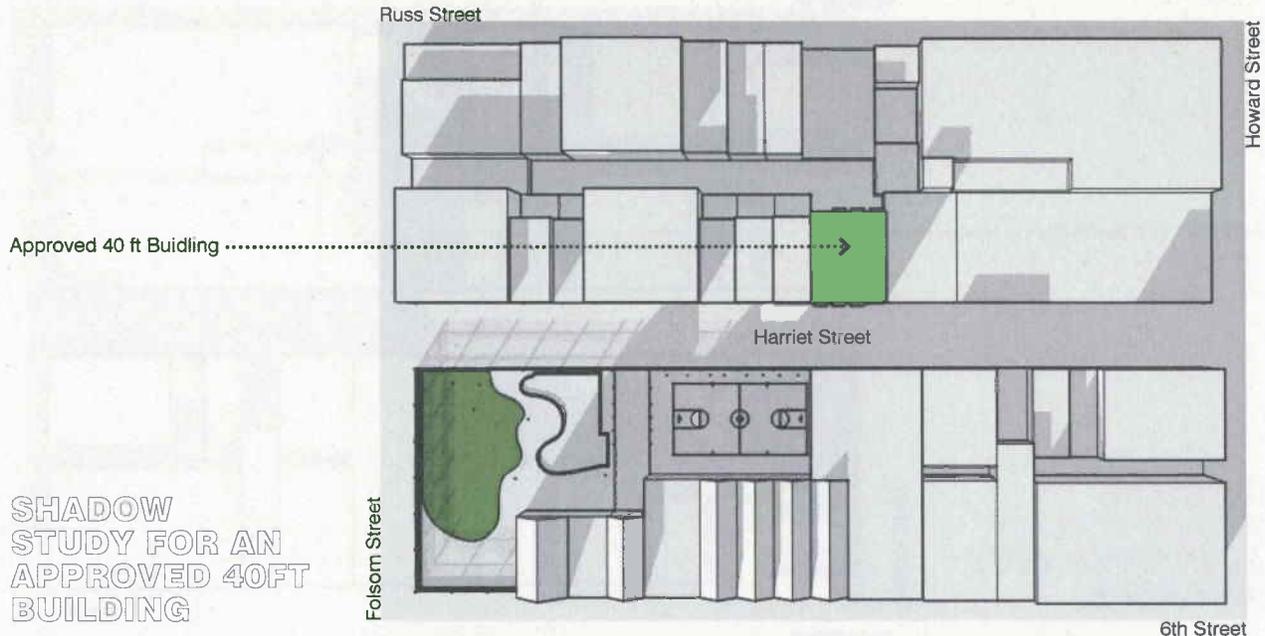


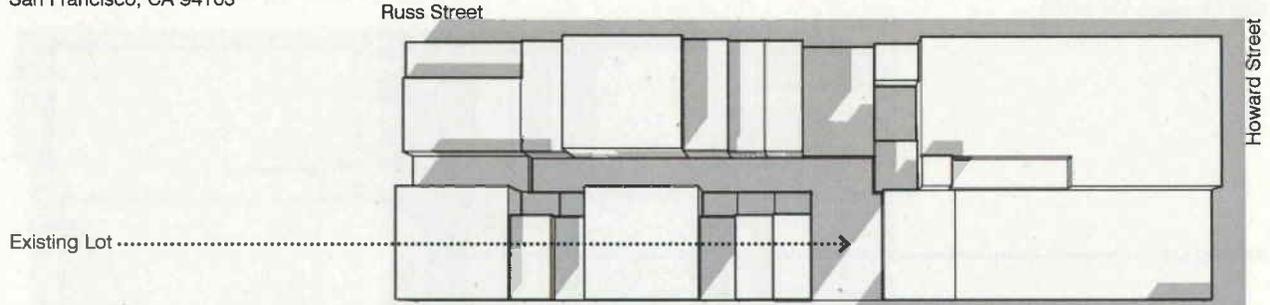
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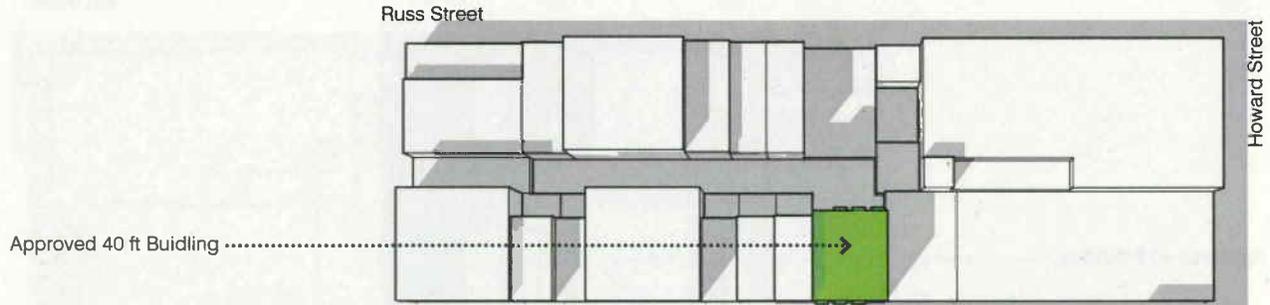
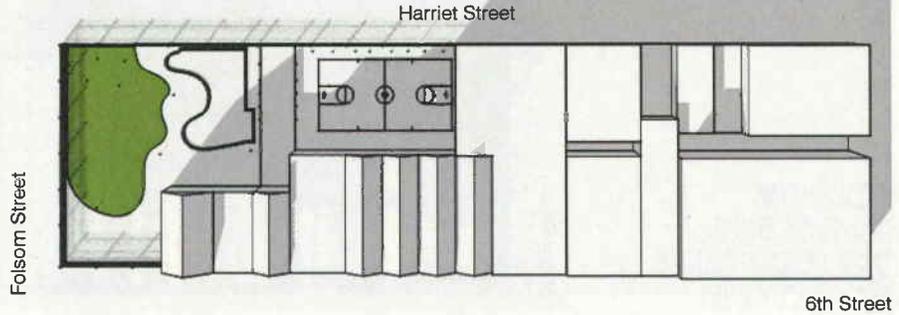
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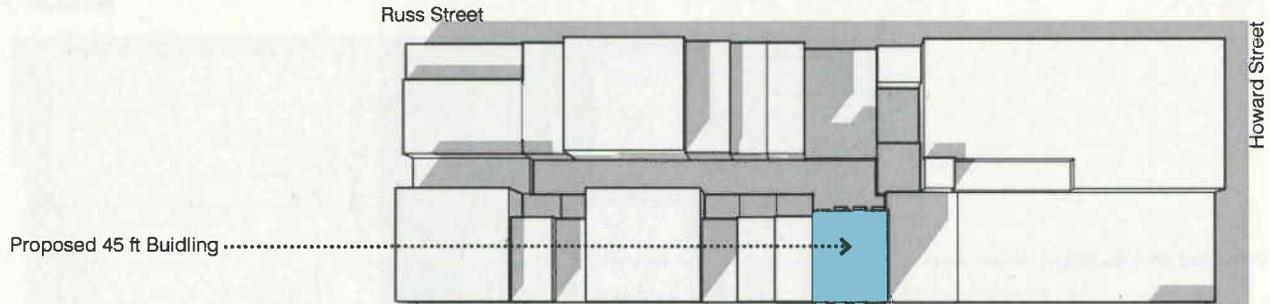
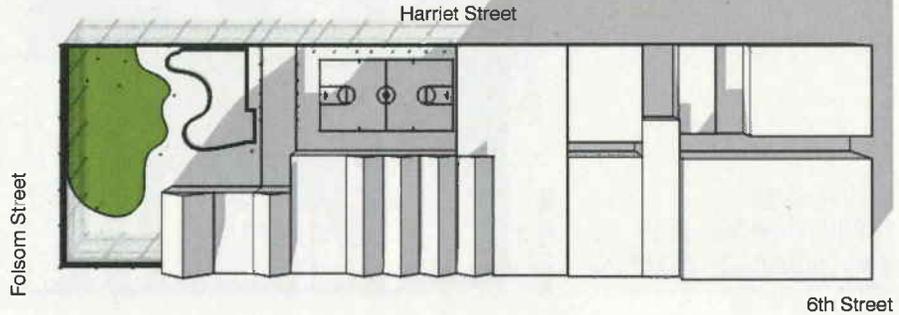




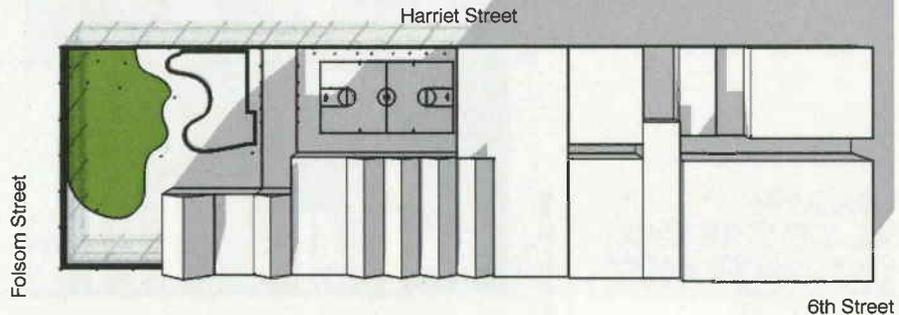
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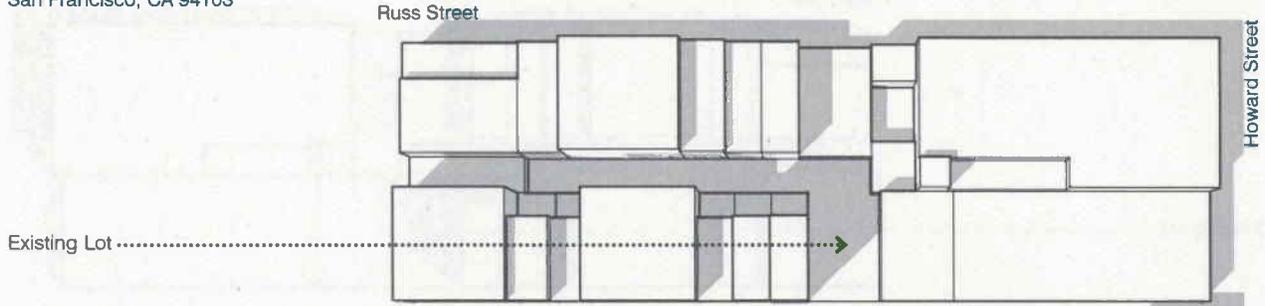


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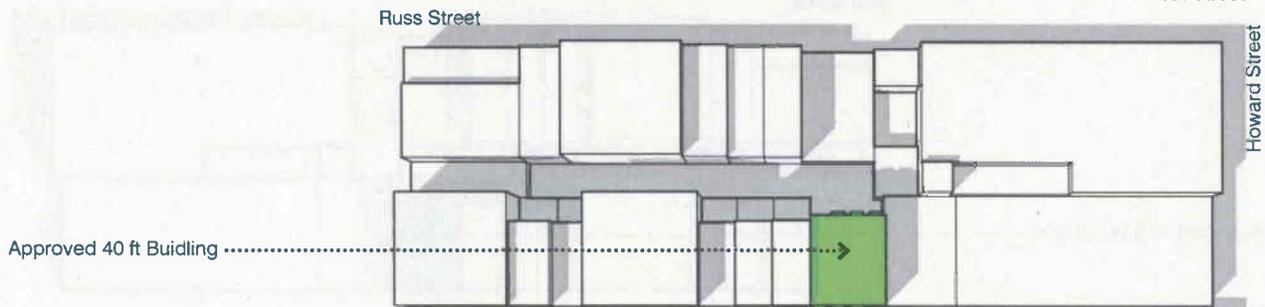
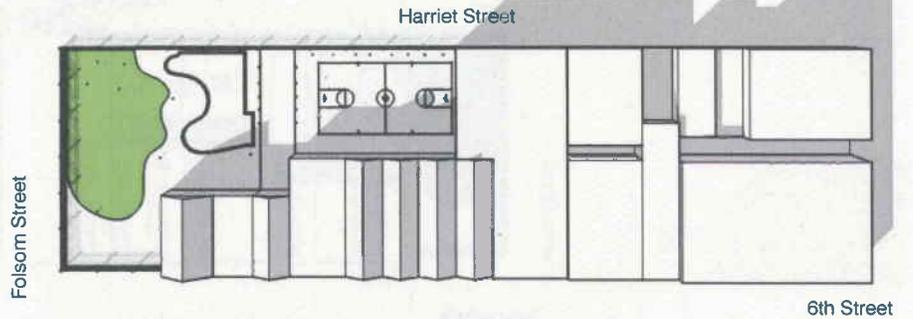


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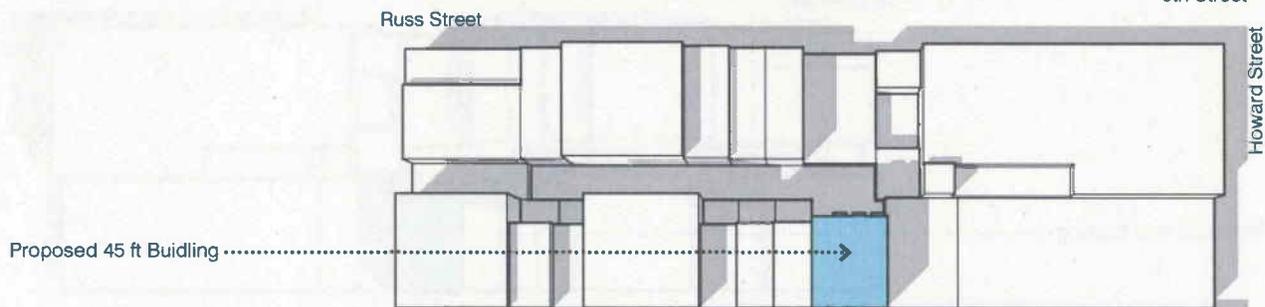
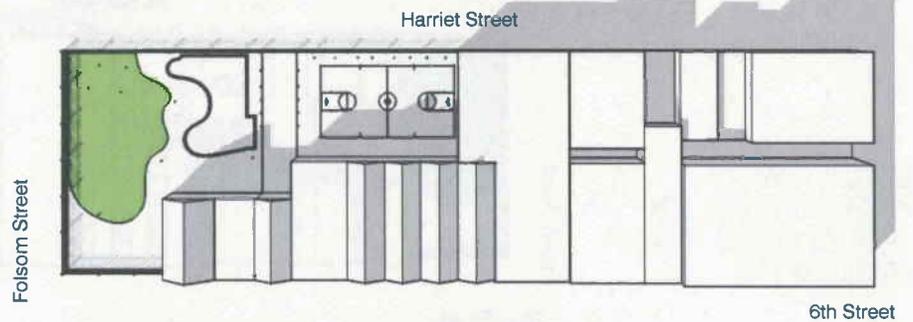




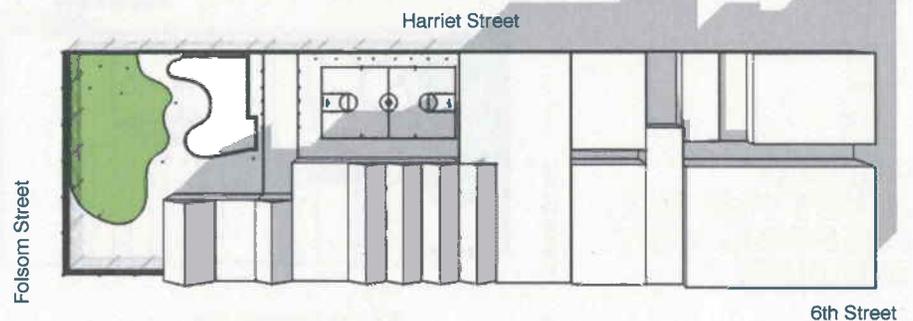
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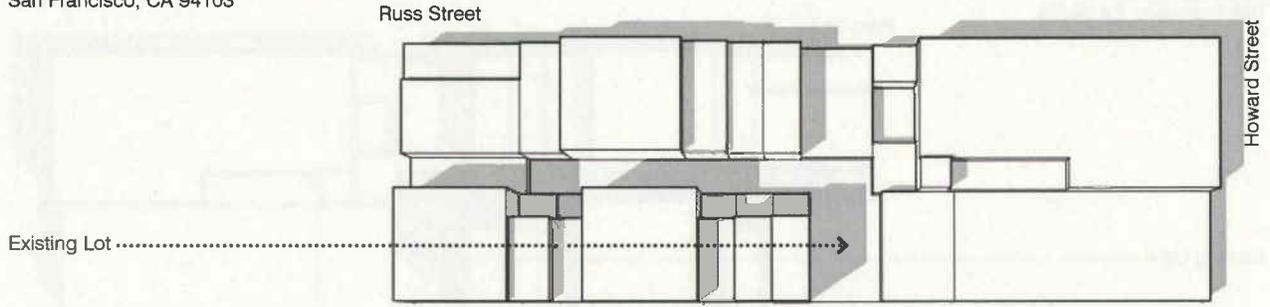


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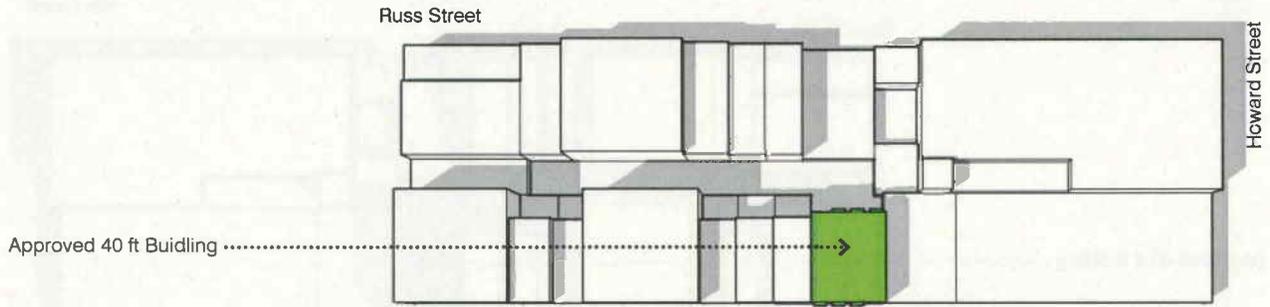


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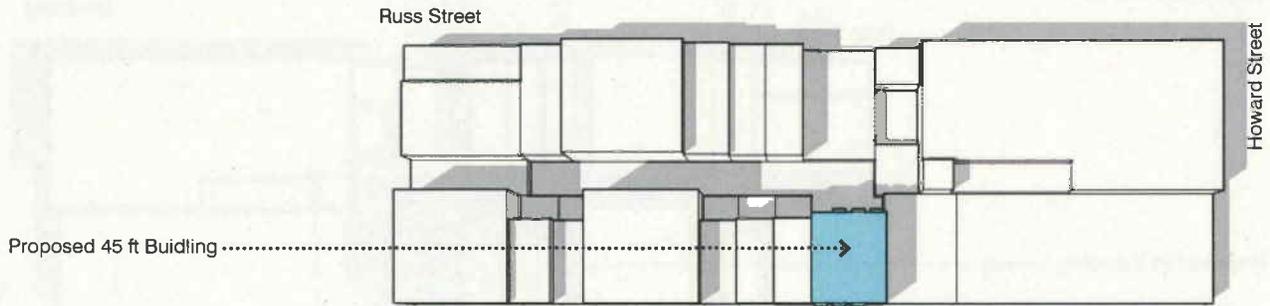




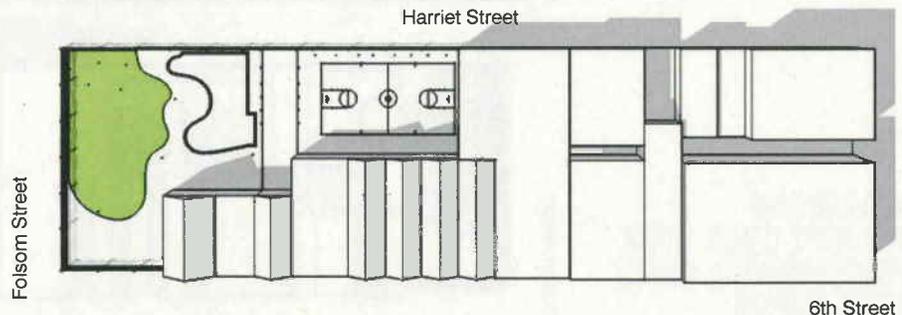
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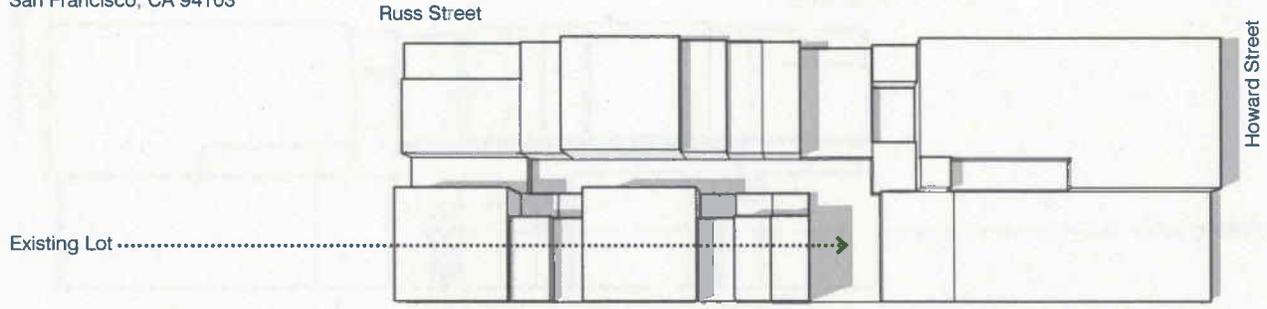


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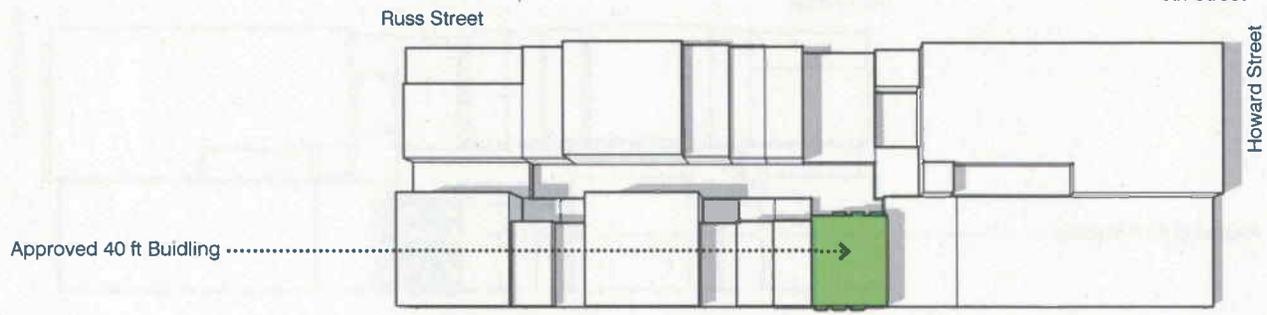


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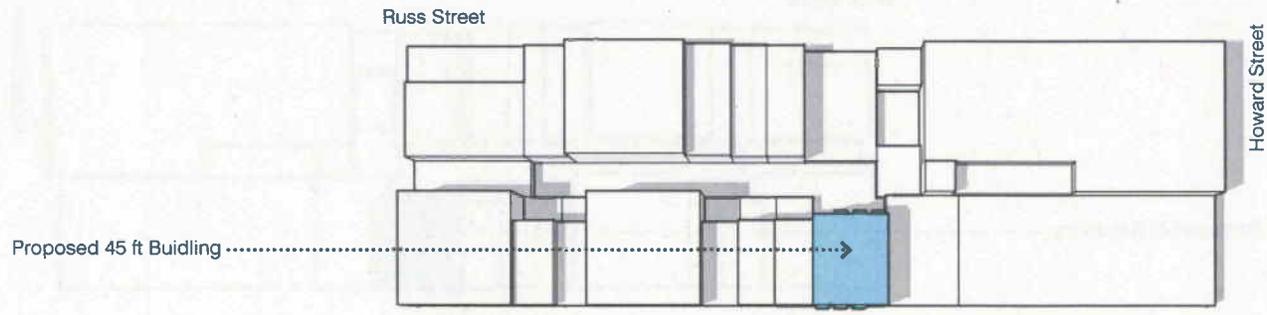




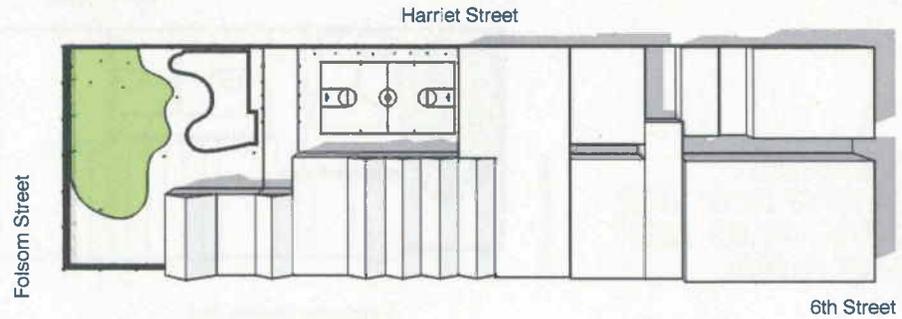
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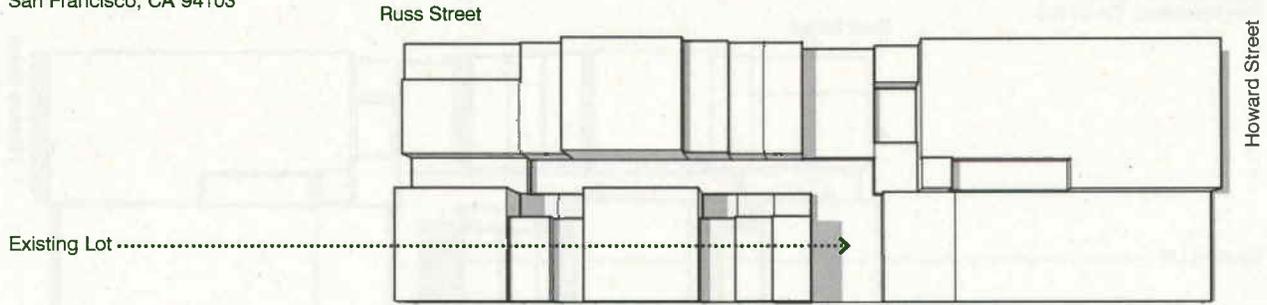


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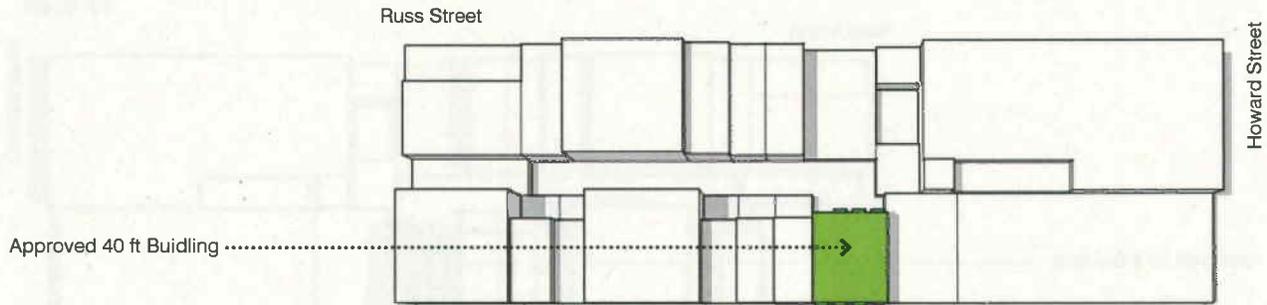
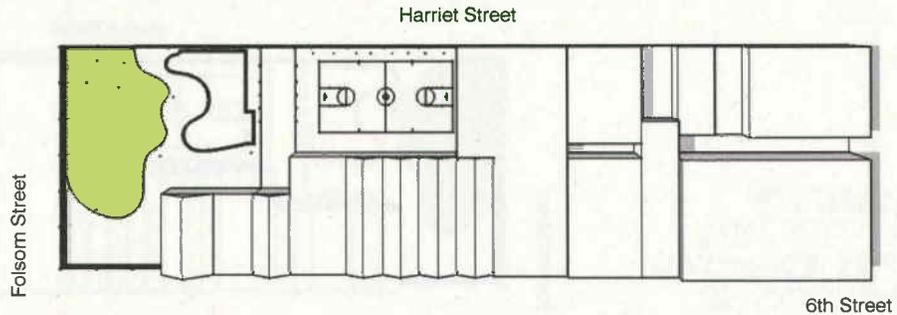


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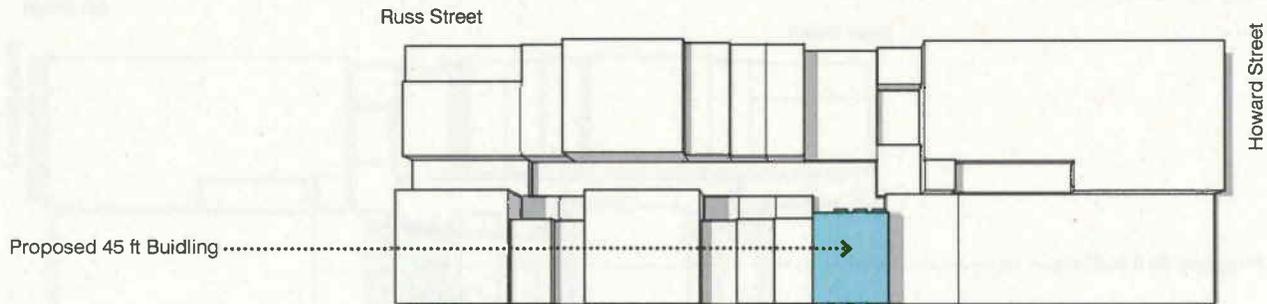
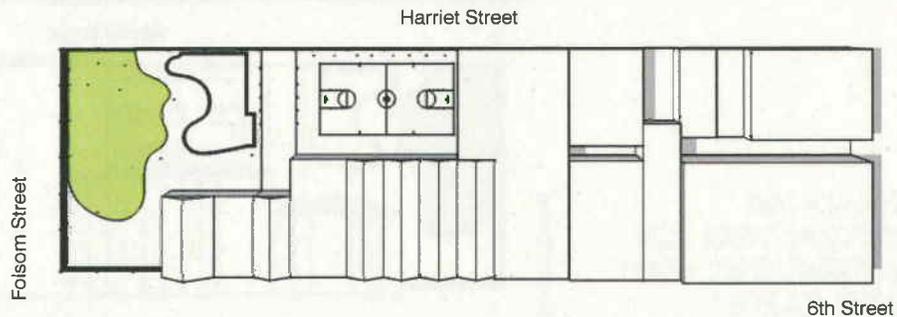




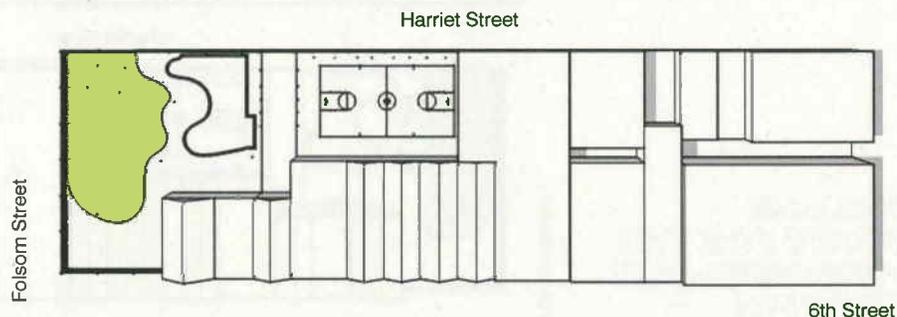
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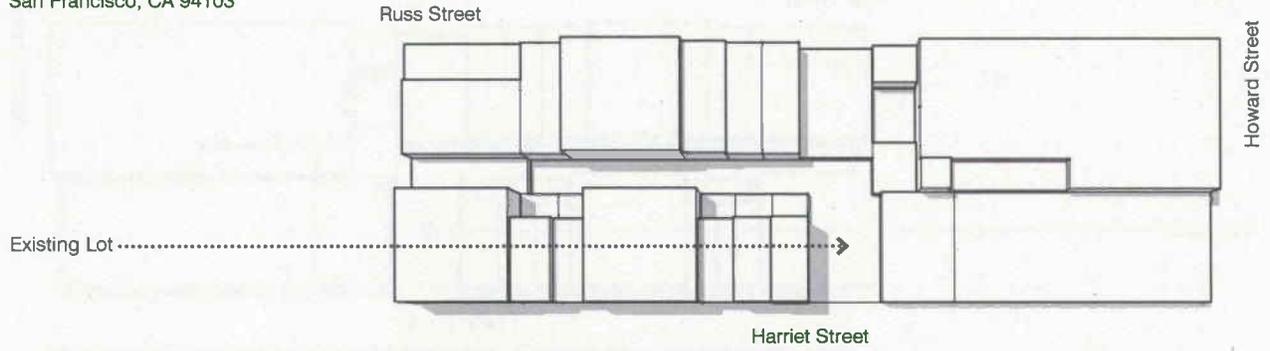


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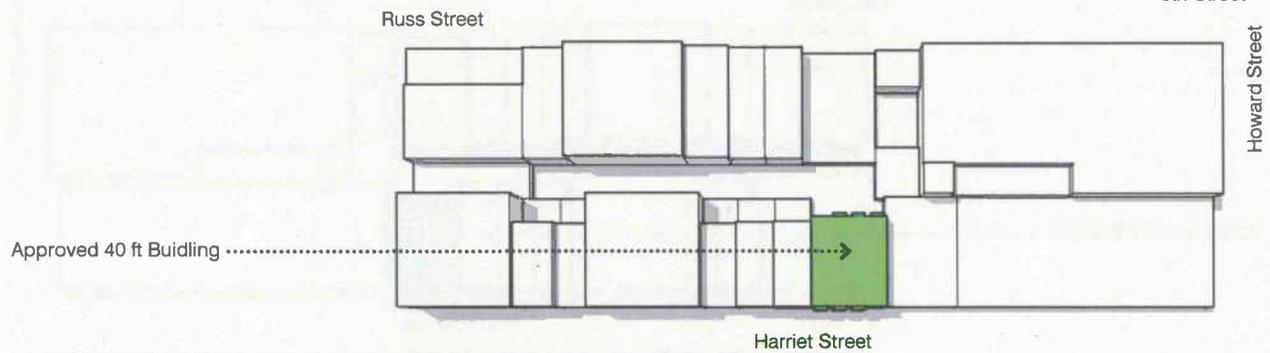
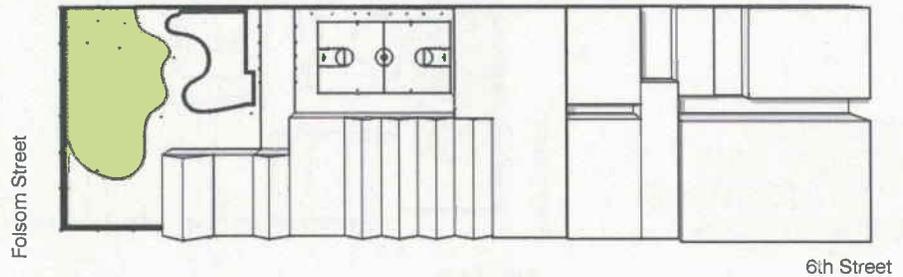


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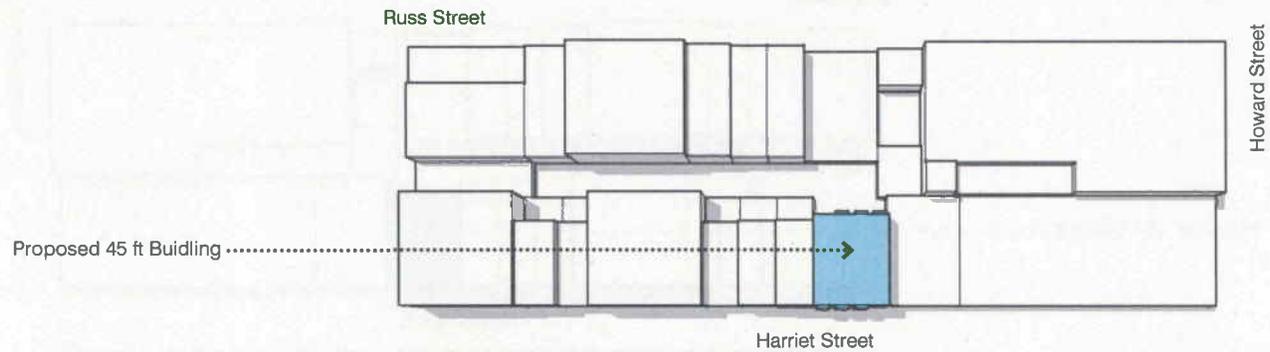
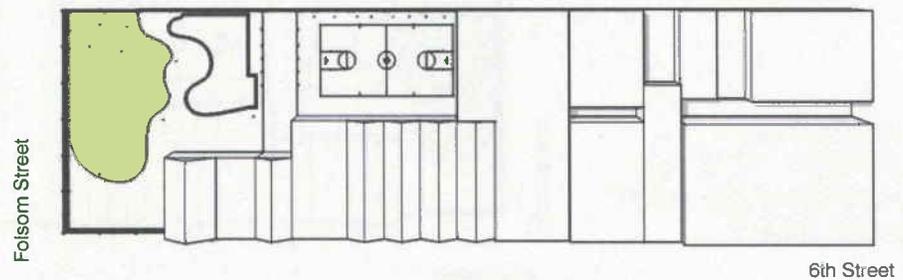




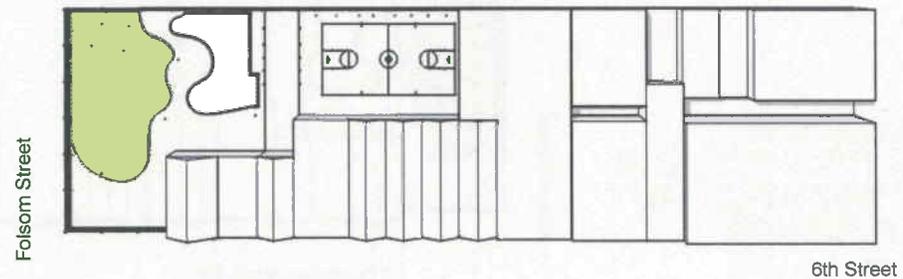
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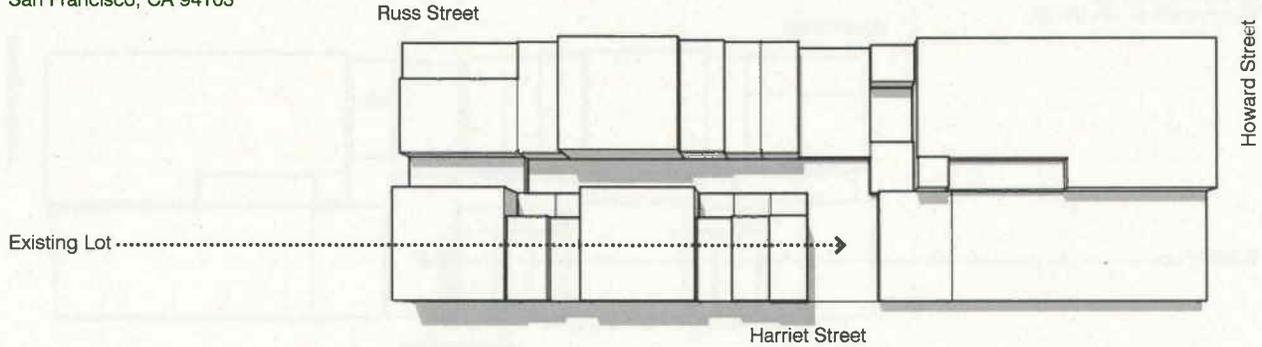


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BUILDING

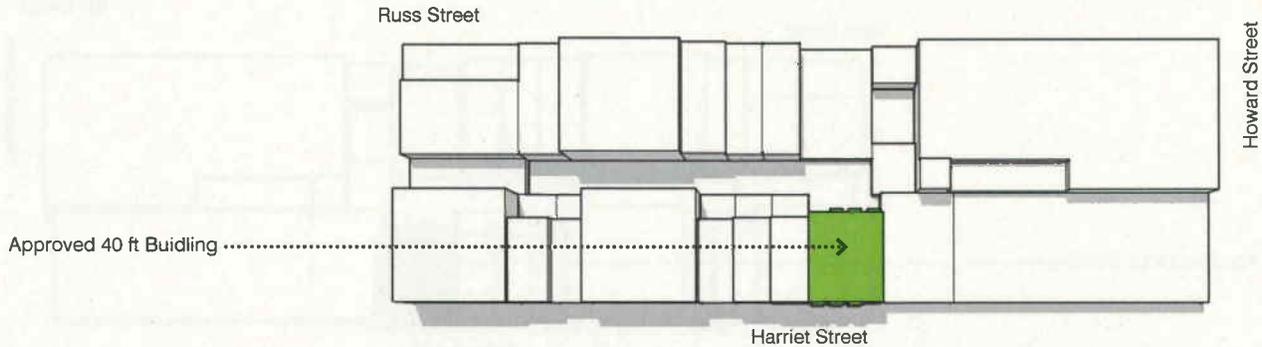
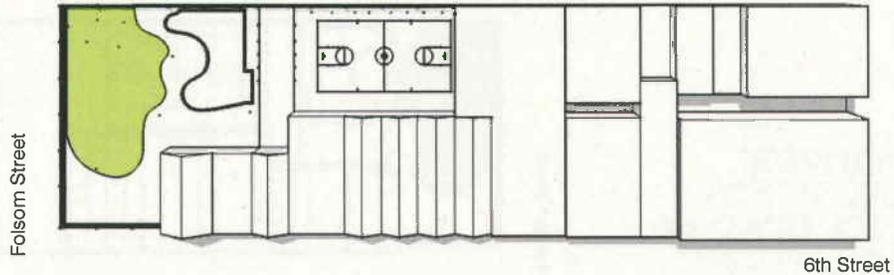


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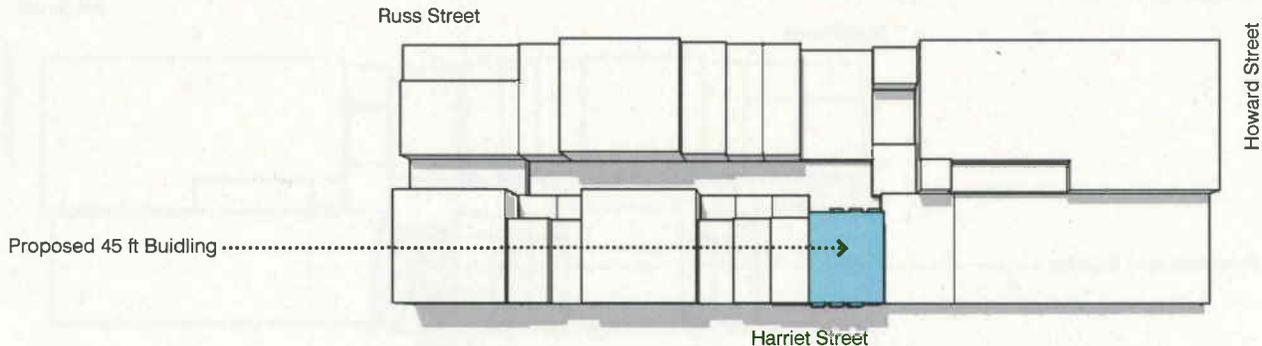
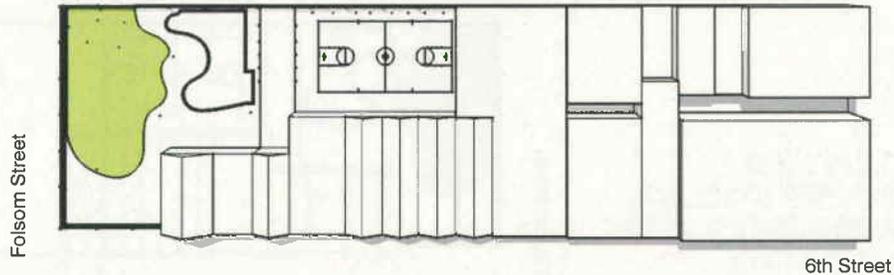




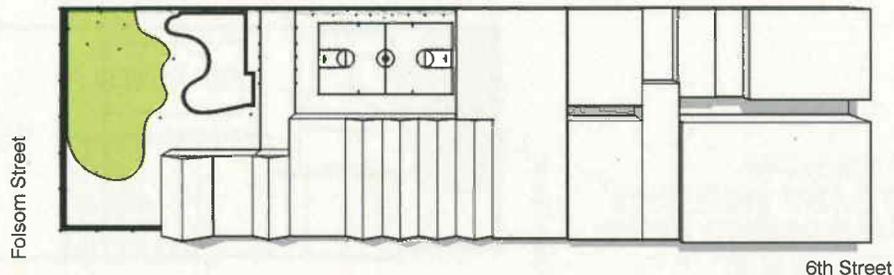
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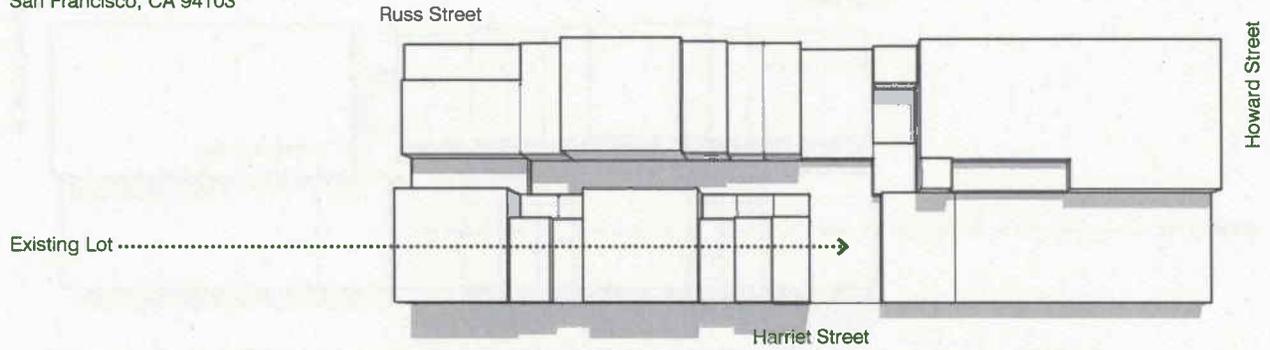


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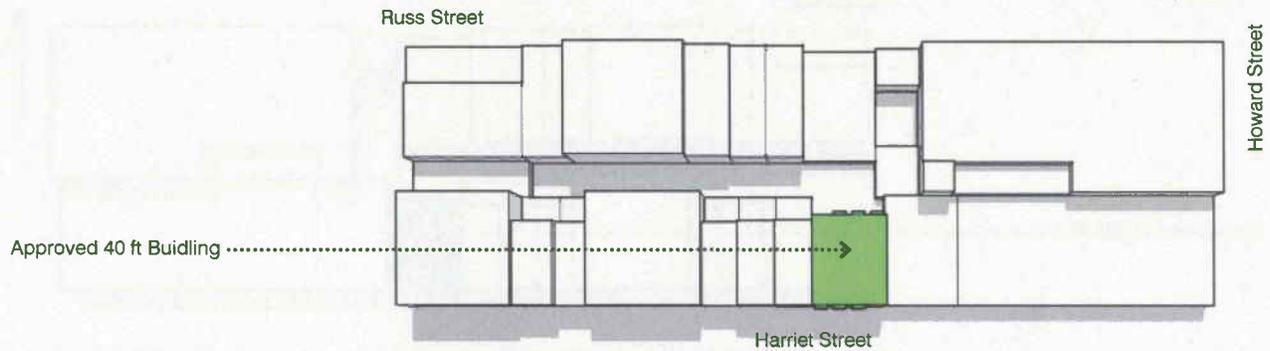
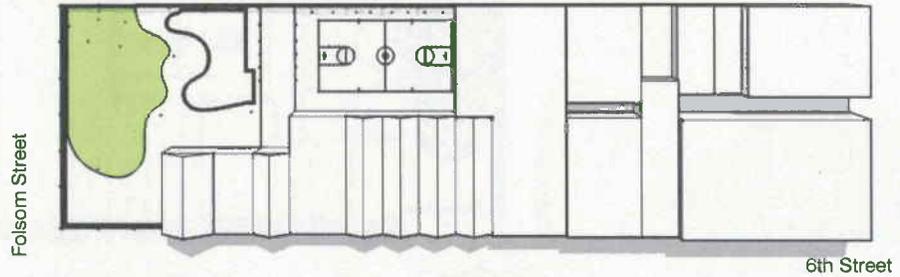


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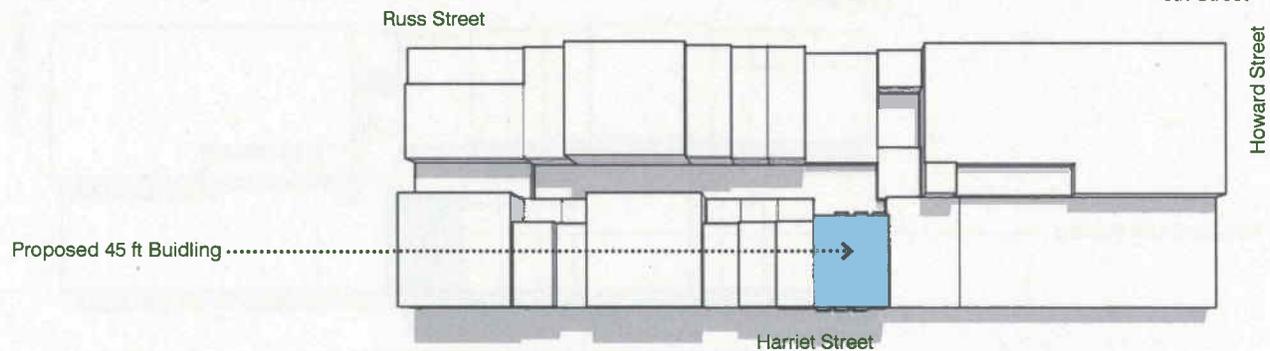
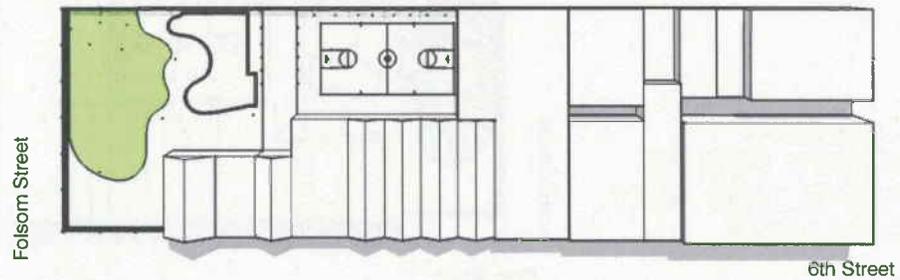




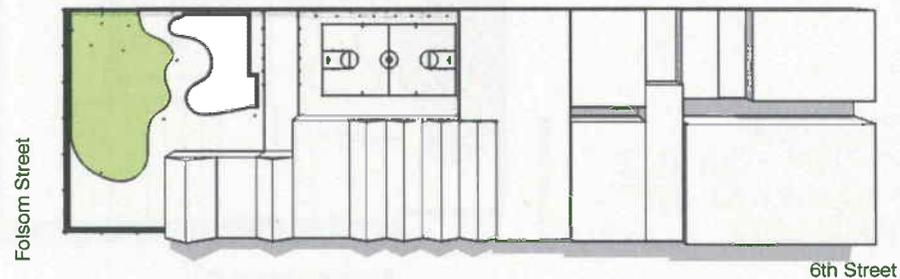
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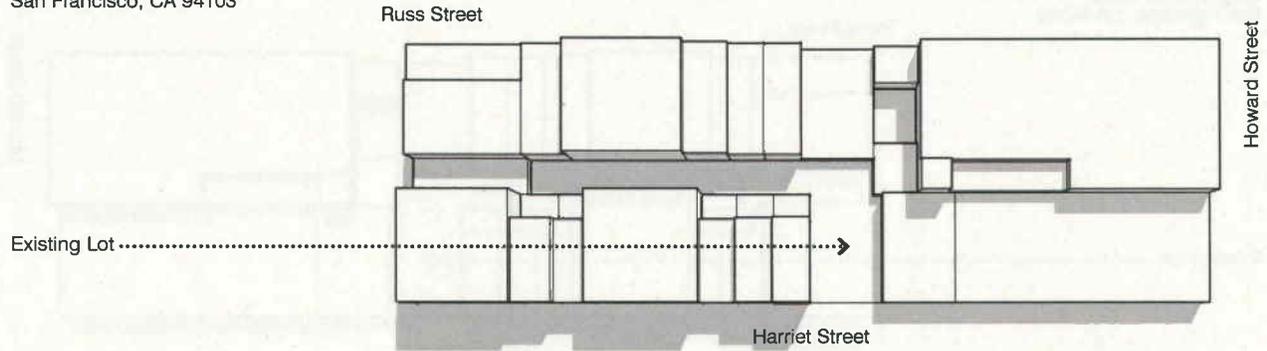


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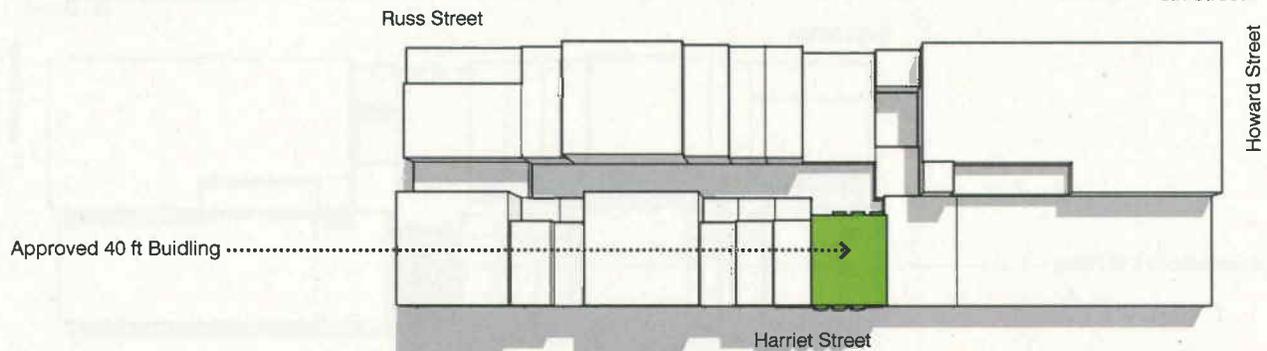
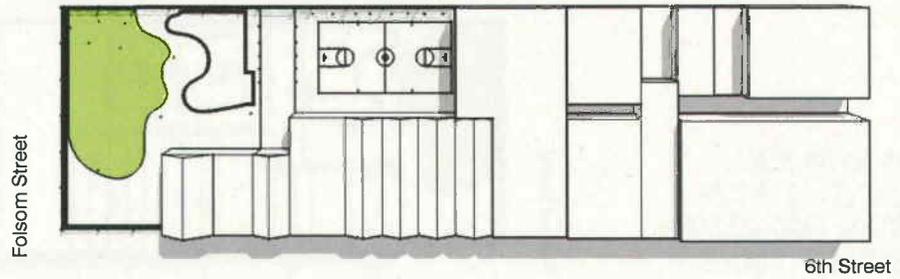


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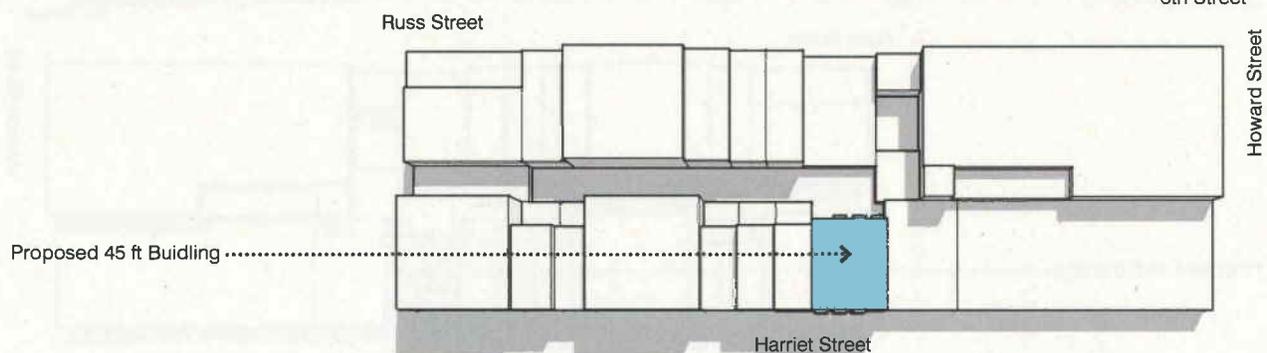
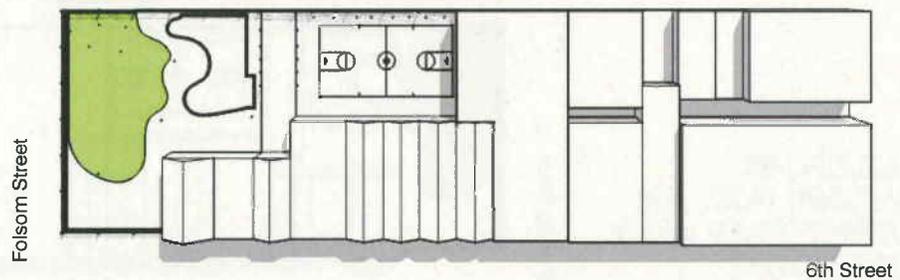




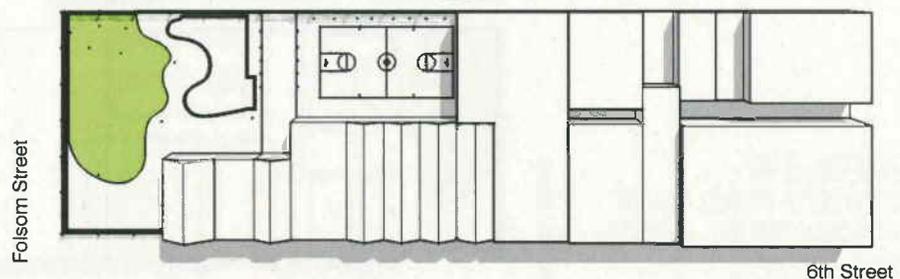
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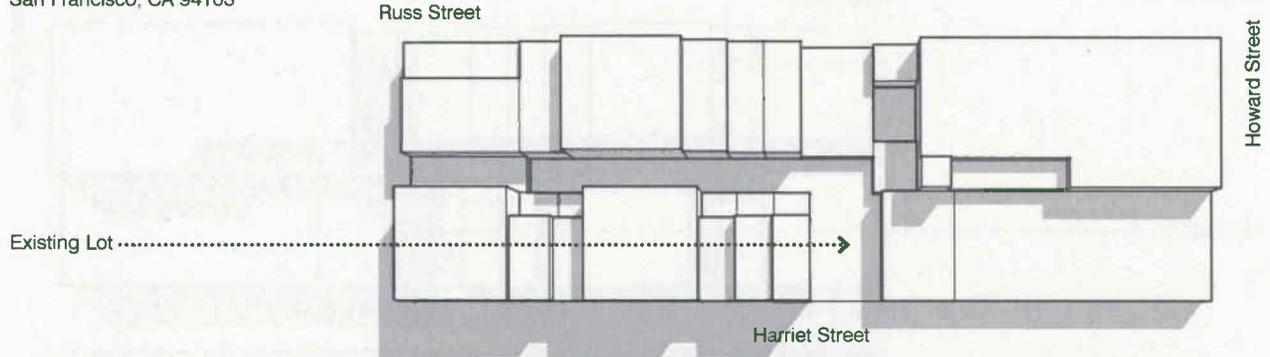


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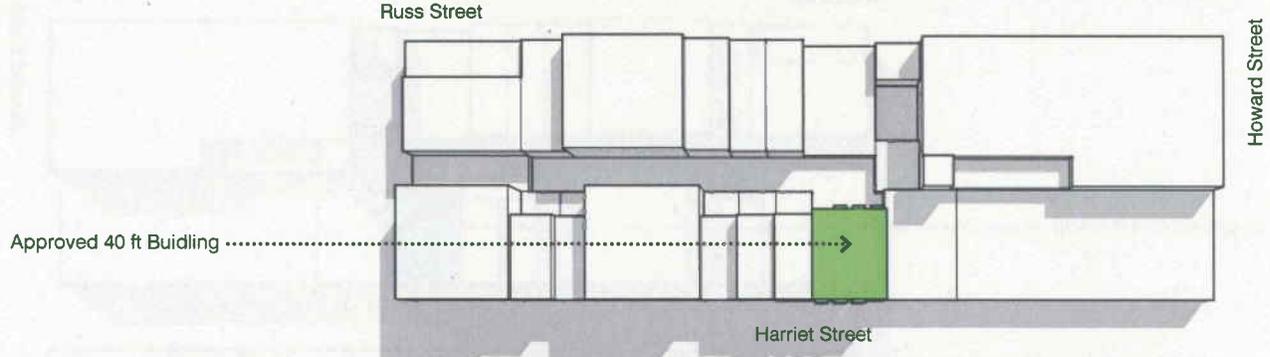
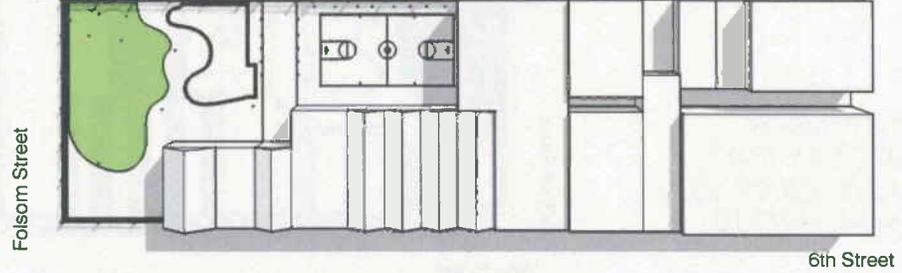


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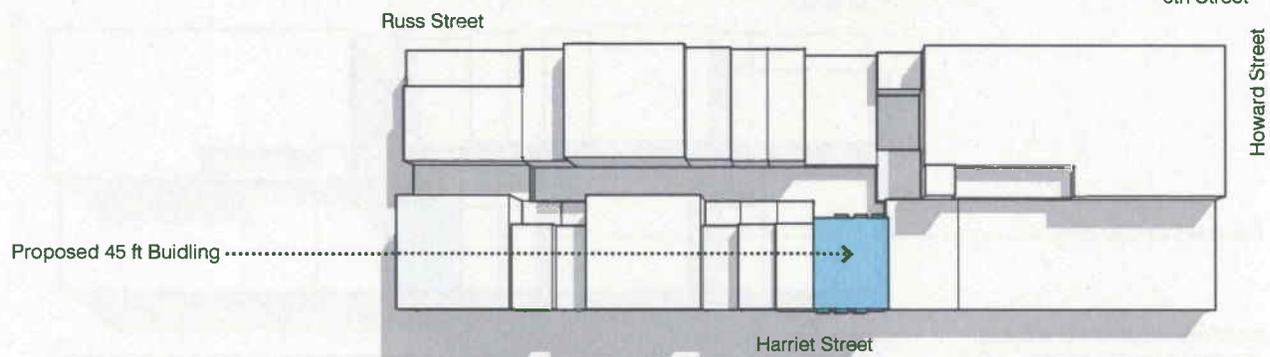
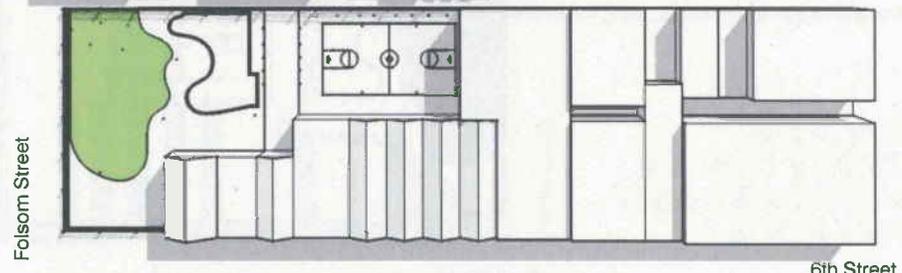




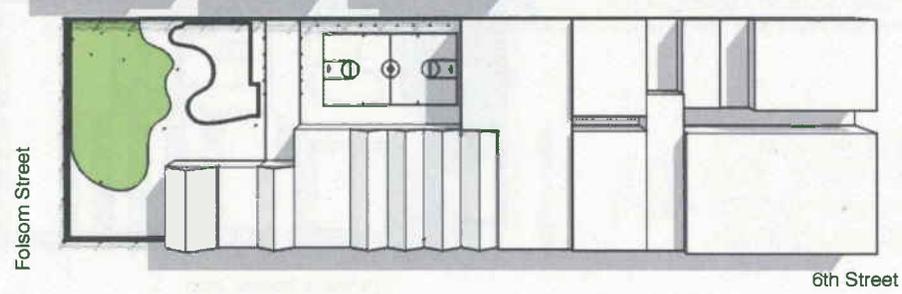
SHADOW
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SHADOW
STUDY FOR AN
APPROVED 40FT
BUILDING



SHADOW
STUDY FOR THE
PROPOSED 45FT
BUILDING



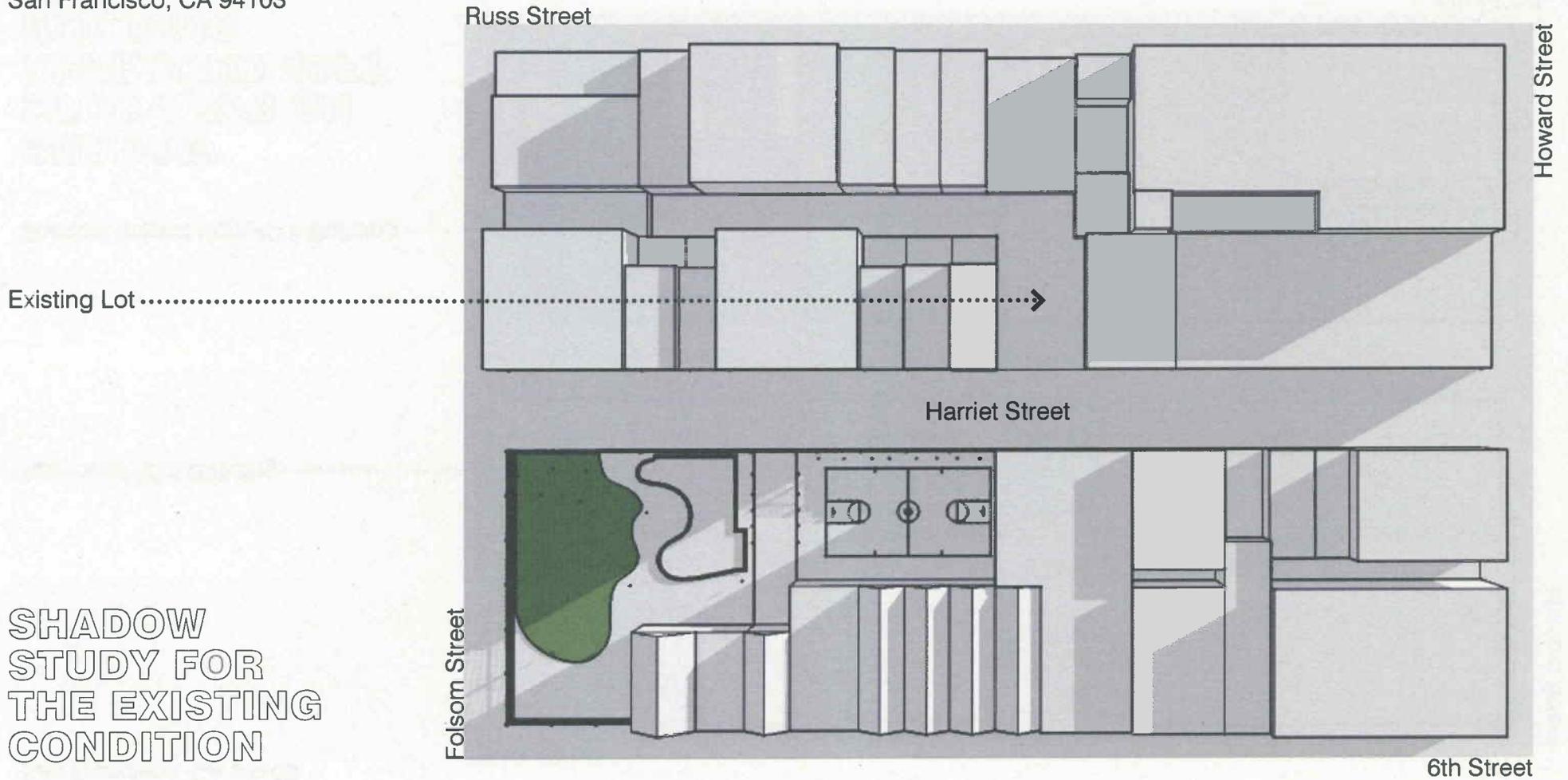


SmartSpace®

36-38 Harriet Street
San Francisco, CA 94103

AUGUST 2ND

7:31 PM



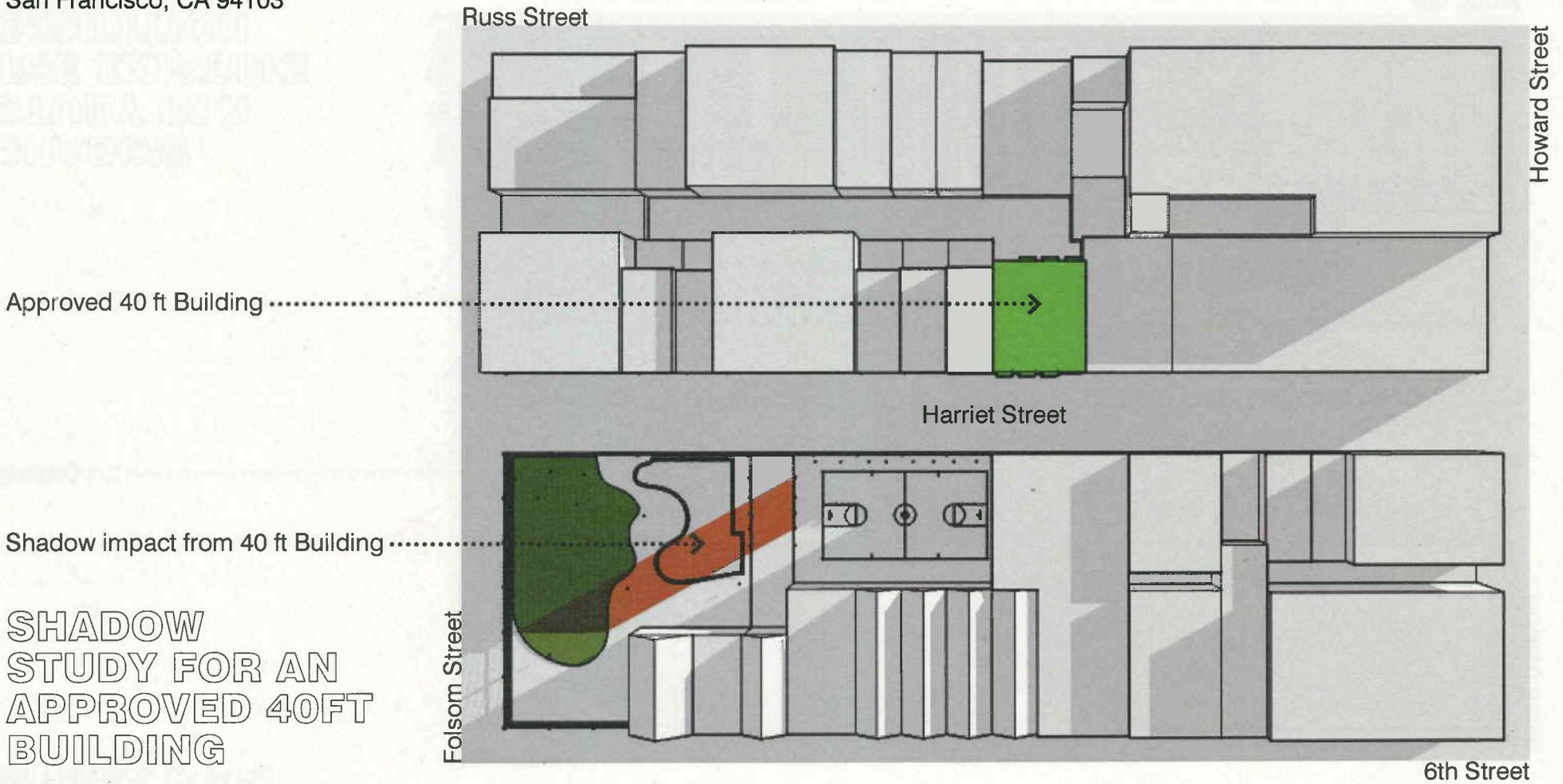
**SHADOW
STUDY FOR
THE EXISTING
CONDITION**

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San Francisco, CA 94103

AUGUST 2ND

7:31 PM



SHADOW
STUDY FOR AN
APPROVED 40FT
BUILDING

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San Francisco, CA 94103

AUGUST 2ND

7:31 PM

Russ Street

Howard Street

Proposed 45 ft Building



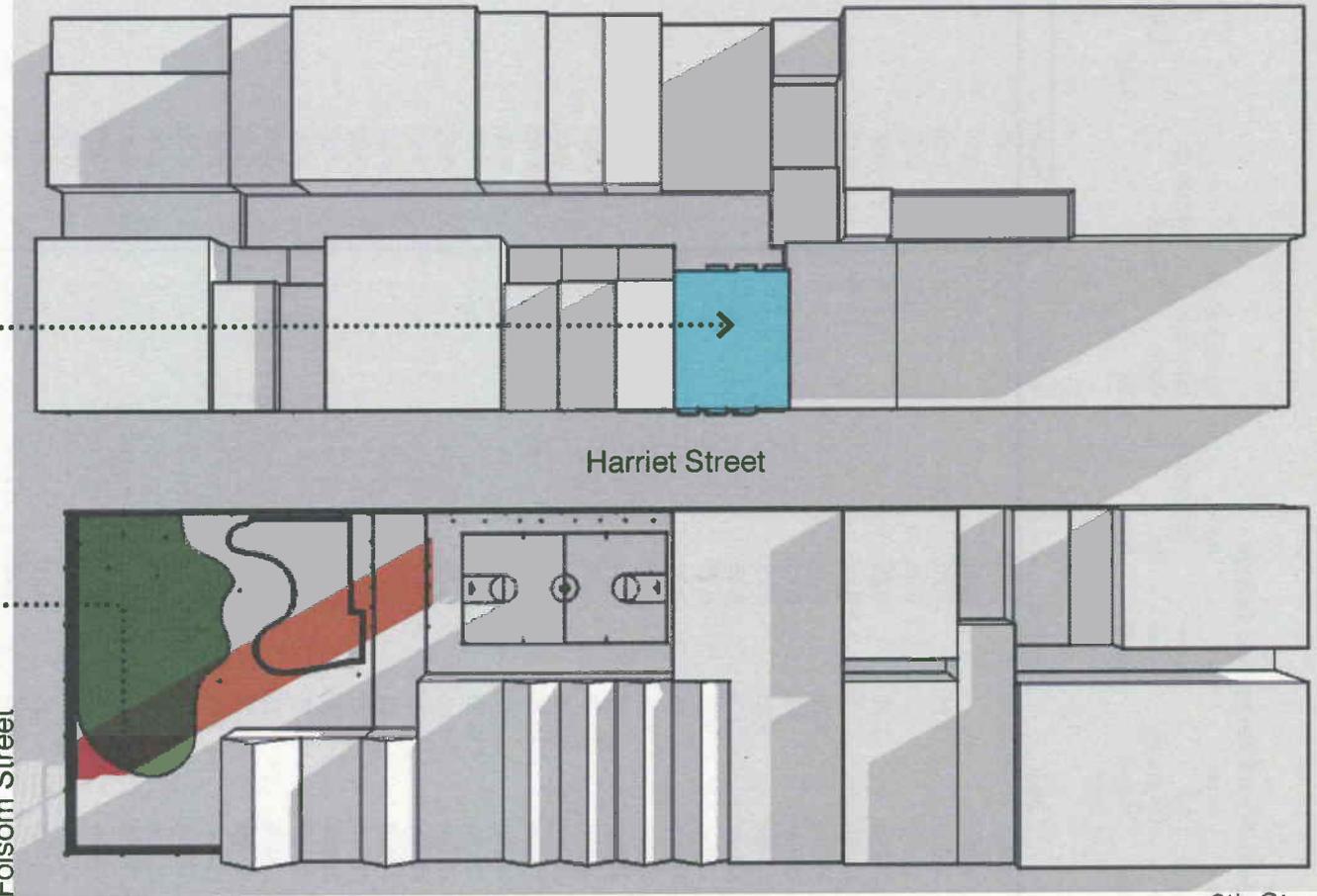
Harriet Street

Additional increment of shadow
impact versus 40 ft building = 960
sf (equal 3.2% of park area)

SHADOW STUDY FOR THE PROPOSED 45FT BUILDING

Folsom Street

6th Street



42-48 Harriet - Gene Friend Recreation Center

Square produced under process park
 Foot by exclusive begun area:
 * Solar license Monday, 44337.35
 Hour ToolBox(tm) to May
 Computations copyright CADP 10,
 1985-2010 LLC
 Mill 2010

DayNum	Date	Time	Duration	ExSF	ExSFHr	NewSF	NewSFHr
172	21-Jun	6.78	0.11	31,936.30	3,512.99	0.00	0.00
172	21-Jun	7	0.23	31,224.43	7,181.62	0.00	0.00
172	21-Jun	7.25	0.25	29,777.94	7,444.48	0.00	0.00
172	21-Jun	7.5	0.25	28,012.32	7,003.08	0.00	0.00
172	21-Jun	7.75	0.25	26,557.92	6,639.48	0.00	0.00
172	21-Jun	8	0.25	25,073.83	6,268.46	0.00	0.00
172	21-Jun	8.25	0.25	23,822.60	5,955.65	0.00	0.00
172	21-Jun	8.5	0.25	22,790.34	5,697.59	0.00	0.00
172	21-Jun	8.75	0.25	21,922.07	5,480.52	0.00	0.00
172	21-Jun	9	0.25	21,227.25	5,306.81	0.00	0.00
172	21-Jun	9.25	0.25	20,585.84	5,146.46	0.00	0.00
172	21-Jun	9.5	0.25	20,043.01	5,010.75	0.00	0.00
172	21-Jun	9.75	0.25	19,553.26	4,868.32	0.00	0.00
172	21-Jun	10	0.25	19,119.44	4,779.86	0.00	0.00
172	21-Jun	10.25	0.25	18,721.01	4,680.25	0.00	0.00
172	21-Jun	10.5	0.25	18,375.97	4,593.99	0.00	0.00
172	21-Jun	10.75	0.25	18,048.37	4,512.08	0.00	0.00
172	21-Jun	11	0.25	17,744.04	4,436.01	0.00	0.00
172	21-Jun	11.25	0.25	17,449.56	4,362.39	0.00	0.00
172	21-Jun	11.5	0.25	17,187.62	4,296.91	0.00	0.00
172	21-Jun	11.75	0.25	16,923.48	4,230.87	0.00	0.00
172	21-Jun	12	0.25	16,685.66	4,173.92	0.00	0.00
172	21-Jun	12.25	0.25	16,475.44	4,118.86	0.00	0.00
172	21-Jun	12.5	0.25	16,456.79	4,114.20	0.00	0.00
172	21-Jun	12.75	0.25	16,452.69	4,113.17	0.00	0.00
172	21-Jun	13	0.25	16,447.95	4,111.99	0.00	0.00
172	21-Jun	13.25	0.25	16,443.52	4,110.88	0.00	0.00
172	21-Jun	13.5	0.25	16,438.15	4,109.54	0.00	0.00
172	21-Jun	13.75	0.25	16,435.62	4,108.91	0.00	0.00
172	21-Jun	14	0.25	16,430.25	4,107.56	0.00	0.00
172	21-Jun	14.25	0.25	16,433.10	4,109.78	0.00	0.00
172	21-Jun	14.5	0.25	16,604.67	4,151.17	0.00	0.00
172	21-Jun	14.75	0.25	16,728.53	4,182.13	0.00	0.00
172	21-Jun	15	0.25	16,929.80	4,232.45	0.00	0.00
172	21-Jun	15.25	0.25	17,075.14	4,268.79	0.00	0.00
172	21-Jun	15.5	0.25	17,252.08	4,313.02	0.00	0.00
172	21-Jun	15.75	0.25	17,455.88	4,363.97	0.00	0.00
172	21-Jun	16	0.25	17,703.28	4,425.82	0.00	0.00
172	21-Jun	16.25	0.25	17,930.15	4,482.54	0.00	0.00
172	21-Jun	16.5	0.25	18,228.42	4,557.10	0.00	0.00
172	21-Jun	16.75	0.25	18,529.85	4,632.46	0.00	0.00
172	21-Jun	17	0.25	18,836.65	4,709.16	0.00	0.00
172	21-Jun	17.25	0.25	19,239.77	4,807.19	1.26	0.32
172	21-Jun	17.5	0.25	19,738.12	4,942.03	117.22	29.31
172	21-Jun	17.75	0.25	20,331.61	5,082.91	290.37	72.59
172	21-Jun	18	0.25	21,020.24	5,240.06	486.90	121.73
172	21-Jun	18.25	0.25	21,793.01	5,448.26	718.82	179.71
172	21-Jun	18.5	0.25	22,630.04	5,657.51	998.14	249.53
172	21-Jun	18.75	0.25	23,522.37	5,883.09	1,301.78	325.45
172	21-Jun	19	0.25	26,444.38	6,611.09	1,757.09	439.27

172	21-Jun	19.25	0.3	28,931.41	3,307.81	2,268.95	680.69
172	21-Jun	19.6	0.18		5,242.51	3,060.45	550.88
179	28-Jun	6.81	0.1	31,919.24	3,191.92	0.00	0.00
179	28-Jun	7	0.22	31,317.96	6,889.95	0.00	0.00
179	28-Jun	7.25	0.25	29,930.16	7,495.04	0.00	0.00
179	28-Jun	7.5	0.25	28,180.73	7,845.18	0.00	0.00
179	28-Jun	7.75	0.25	26,897.90	6,674.47	0.00	0.00
179	28-Jun	8	0.25	25,229.60	6,307.40	0.00	0.00
179	28-Jun	8.25	0.25	23,938.56	5,984.64	0.00	0.00
179	28-Jun	8.5	0.25	22,898.72	5,724.68	0.00	0.00
179	28-Jun	8.75	0.25	21,991.26	5,497.82	0.00	0.00
179	28-Jun	9	0.25	21,284.76	5,321.19	0.00	0.00
179	28-Jun	9.25	0.25	20,643.51	5,160.15	0.00	0.00
179	28-Jun	9.5	0.25	20,101.47	5,025.37	0.00	0.00
179	28-Jun	9.75	0.25	19,592.44	4,898.11	0.00	0.00
179	28-Jun	10	0.25	19,170.00	4,792.50	0.00	0.00
179	28-Jun	10.25	0.25	18,751.97	4,687.99	0.00	0.00
179	28-Jun	10.5	0.25	18,396.83	4,599.71	0.00	0.00
179	28-Jun	10.75	0.25	18,052.42	4,513.11	0.00	0.00
179	28-Jun	11	0.25	17,752.57	4,438.14	0.00	0.00
179	28-Jun	11.25	0.25	17,454.93	4,363.73	0.00	0.00
179	28-Jun	11.5	0.25	17,208.79	4,302.20	0.00	0.00
179	28-Jun	11.75	0.25	16,940.22	4,235.05	0.00	0.00
179	28-Jun	12	0.25	16,716.83	4,179.21	0.00	0.00
179	28-Jun	12.25	0.25	16,481.44	4,130.30	0.00	0.00
179	28-Jun	12.5	0.25	16,455.85	4,113.96	0.00	0.00
179	28-Jun	12.75	0.25	16,452.69	4,113.17	0.00	0.00
179	28-Jun	13	0.25	16,449.21	4,112.39	0.00	0.00
179	28-Jun	13.25	0.25	16,443.52	4,110.88	0.00	0.00
179	28-Jun	13.5	0.25	16,439.42	4,109.85	0.00	0.00
179	28-Jun	13.75	0.25	16,435.62	4,108.91	0.00	0.00
179	28-Jun	14	0.25	16,431.20	4,107.80	0.00	0.00
179	28-Jun	14.25	0.25	16,438.47	4,109.62	0.00	0.00
179	28-Jun	14.5	0.25	16,558.54	4,139.63	0.00	0.00
179	28-Jun	14.75	0.25	16,722.21	4,180.55	0.00	0.00
179	28-Jun	15	0.25	16,877.03	4,212.26	0.00	0.00
179	28-Jun	15.25	0.25	17,066.29	4,266.57	0.00	0.00
179	28-Jun	15.5	0.25	17,229.65	4,307.41	0.00	0.00
179	28-Jun	15.75	0.25	17,433.76	4,358.44	0.00	0.00
179	28-Jun	16	0.25	17,689.70	4,427.47	0.00	0.00
179	28-Jun	16.25	0.25	17,921.93	4,480.48	0.00	0.00
179	28-Jun	16.5	0.25	18,195.56	4,548.89	0.00	0.00
179	28-Jun	16.75	0.25	18,484.02	4,621.01	0.00	0.00
179	28-Jun	17	0.25	18,808.22	4,702.05	0.00	0.00
179	28-Jun	17.25	0.25			0.95	0.24
179	28-Jun	17.5	0.25			110.27	27.57
179	28-Jun	17.75	0.25			288.79	72.20
179	28-Jun	18	0.25			487.22	121.81
179	28-Jun	18.25	0.25			722.93	180.73
179	28-Jun	18.5	0.25			989.61	247.40
179	28-Jun	18.75	0.25			1,322.32	330.58
179	28-Jun	19	0.25			1,743.50	435.88
179	28-Jun	19.25	0.3			2,260.74	678.22
179	28-Jun	19.61	0.18			3,085.73	555.43
186	5-Jul	6.87	0.06	31,828.88	1,909.73	0.00	0.00
186	5-Jul	7	0.19	31,439.29	5,973.46	0.00	0.00
186	5-Jul	7.25	0.25	30,239.25	7,559.81	0.00	0.00
186	5-Jul	7.5	0.25	28,401.90	7,100.48	0.00	0.00
186	5-Jul	7.75	0.25	26,857.46	6,714.37	0.00	0.00

186	5-Jul	8	0.25	25,386.95	6,346.74	0.00	0.00
186	5-Jul	8.25	0.25	24,058.42	6,017.11	0.00	0.00
186	5-Jul	8.5	0.25	22,971.07	5,742.77	0.00	0.00
186	5-Jul	8.75	0.25	22,080.36	5,520.09	0.00	0.00
186	5-Jul	9	0.25	21,346.06	5,336.51	0.00	0.00
186	5-Jul	9.25	0.25	20,680.63	5,170.16	0.00	0.00
186	5-Jul	9.5	0.25	20,117.26	5,029.32	0.00	0.00
186	5-Jul	9.75	0.25	19,640.79	4,910.20	0.00	0.00
186	5-Jul	10	0.25	19,174.42	4,793.61	0.00	0.00
186	5-Jul	10.25	0.25	18,781.95	4,695.50	0.00	0.00
186	5-Jul	10.5	0.25	18,411.99	4,603.00	0.00	0.00
186	5-Jul	10.75	0.25	18,056.85	4,514.21	0.00	0.00
186	5-Jul	11	0.25	17,764.26	4,441.07	0.00	0.00
186	5-Jul	11.25	0.25	17,480.53	4,370.13	0.00	0.00
186	5-Jul	11.5	0.25	17,212.59	4,303.15	0.00	0.00
186	5-Jul	11.75	0.25	16,942.75	4,235.69	0.00	0.00
186	5-Jul	12	0.25	16,743.06	4,185.76	0.00	0.00
186	5-Jul	12.25	0.25	16,470.70	4,117.67	0.00	0.00
186	5-Jul	12.5	0.25	16,455.53	4,113.88	0.00	0.00
186	5-Jul	12.75	0.25	16,452.05	4,113.01	0.00	0.00
186	5-Jul	13	0.25	16,449.21	4,112.30	0.00	0.00
186	5-Jul	13.25	0.25	16,445.42	4,111.35	0.00	0.00
186	5-Jul	13.5	0.25	16,440.68	4,110.17	0.00	0.00
186	5-Jul	13.75	0.25	16,435.62	4,108.91	0.00	0.00
186	5-Jul	14	0.25	16,431.20	4,107.80	0.00	0.00
186	5-Jul	14.25	0.25	16,436.26	4,109.06	0.00	0.00
186	5-Jul	14.5	0.25	16,550.64	4,137.66	0.00	0.00
186	5-Jul	14.75	0.25	16,691.24	4,172.81	0.00	0.00
186	5-Jul	15	0.25	16,859.65	4,214.91	0.00	0.00
186	5-Jul	15.25	0.25	17,020.16	4,255.04	0.00	0.00
186	5-Jul	15.5	0.25	17,211.32	4,302.83	0.00	0.00
186	5-Jul	15.75	0.25	17,403.75	4,350.94	0.00	0.00
186	5-Jul	16	0.25	17,646.09	4,411.52	0.00	0.00
186	5-Jul	16.25	0.25	17,870.43	4,467.61	0.00	0.00
186	5-Jul	16.5	0.25	18,143.11	4,535.78	0.00	0.00
186	5-Jul	16.75	0.25	18,442.01	4,610.50	0.00	0.00
186	5-Jul	17	0.25	18,747.55	4,686.89	0.00	0.00

186	5-Jul	17.25	0.25			11.69	2.92
186	5-Jul	17.5	0.25			148.50	37.13
186	5-Jul	17.75	0.25			327.97	81.99
186	5-Jul	18	0.25			530.82	132.71
186	5-Jul	18.25	0.25			758.64	189.66
186	5-Jul	18.5	0.25			1,053.12	263.28
186	5-Jul	18.75	0.25			1,377.93	344.48
186	5-Jul	19	0.25			1,822.18	455.54
186	5-Jul	19.25	0.3			2,325.51	697.65
186	5-Jul	19.6	0.18			3,086.68	555.60

193	12-Jul	6.94	0.03	31,678.16	7,950.24	0.00	0.00
193	12-Jul	7	0.15	31,596.51	7,833.48	0.00	0.00
193	12-Jul	7.25	0.25	30,494.87	7,623.72	0.00	0.00
193	12-Jul	7.5	0.25	28,698.28	7,174.57	0.00	0.00
193	12-Jul	7.75	0.25	27,023.66	6,755.91	0.00	0.00
193	12-Jul	8	0.25	25,552.83	6,388.21	0.00	0.00
193	12-Jul	8.25	0.25	24,191.34	6,047.83	0.00	0.00
193	12-Jul	8.5	0.25	23,093.67	5,773.42	0.00	0.00
193	12-Jul	8.75	0.25	22,140.71	5,535.18	0.00	0.00
193	12-Jul	9	0.25	21,381.13	5,345.28	0.00	0.00
193	12-Jul	9.25	0.25	20,728.66	5,182.16	0.00	0.00
193	12-Jul	9.5	0.25	20,169.08	5,042.27	0.00	0.00

193	12-Jul	9.75	0.25	19,658.17	4,914.54	0.00	0.00
193	12-Jul	10	0.25	19,292.54	4,800.61	0.00	0.00
193	12-Jul	10.25	0.25	18,784.20	4,696.05	0.00	0.00
193	12-Jul	10.5	0.25	18,410.41	4,602.60	0.00	0.00
193	12-Jul	10.75	0.25	18,087.50	4,521.87	0.00	0.00
193	12-Jul	11	0.25	17,753.52	4,438.38	0.00	0.00
193	12-Jul	11.25	0.25	17,467.57	4,366.89	0.00	0.00
193	12-Jul	11.5	0.25	17,201.84	4,300.46	0.00	0.00
193	12-Jul	11.75	0.25	16,934.85	4,233.71	0.00	0.00
193	12-Jul	12	0.25	16,709.88	4,177.47	0.00	0.00
193	12-Jul	12.25	0.25	16,471.33	4,117.83	0.00	0.00
193	12-Jul	12.5	0.25	16,459.64	4,114.91	0.00	0.00
193	12-Jul	12.75	0.25	16,454.90	4,113.72	0.00	0.00
193	12-Jul	13	0.25	16,451.74	4,112.93	0.00	0.00
193	12-Jul	13.25	0.25	16,445.74	4,111.43	0.00	0.00
193	12-Jul	13.5	0.25	16,442.26	4,110.56	0.00	0.00
193	12-Jul	13.75	0.25	16,436.85	4,109.22	0.00	0.00
193	12-Jul	14	0.25	16,432.15	4,108.04	0.00	0.00
193	12-Jul	14.25	0.25	16,429.84	4,107.48	0.00	0.00
193	12-Jul	14.5	0.25	16,511.14	4,127.79	0.00	0.00
193	12-Jul	14.75	0.25	16,650.17	4,162.54	0.00	0.00
193	12-Jul	15	0.25	16,814.78	4,203.70	0.00	0.00
193	12-Jul	15.25	0.25	16,993.62	4,248.41	0.00	0.00
193	12-Jul	15.5	0.25	17,186.04	4,296.51	0.00	0.00
193	12-Jul	15.75	0.25	17,366.78	4,341.69	0.00	0.00
193	12-Jul	16	0.25	17,606.28	4,401.57	0.00	0.00
193	12-Jul	16.25	0.25	17,836.62	4,459.15	0.00	0.00
193	12-Jul	16.5	0.25	18,134.99	4,528.75	0.00	0.00
193	12-Jul	16.75	0.25	18,406.94	4,601.73	0.00	0.00
193	12-Jul	17	0.25	18,720.38	4,680.09	0.00	0.00

193	12-Jul	17.25	0.25			46.76	11.69
193	12-Jul	17.5	0.25			212.33	53.08
193	12-Jul	17.75	0.25			403.49	100.87
193	12-Jul	18	0.25			611.08	152.77
193	12-Jul	18.25	0.25			868.59	217.15
193	12-Jul	18.5	0.25			1,169.08	292.27
193	12-Jul	18.75	0.25			1,516.32	379.08
193	12-Jul	19	0.25			1,995.01	498.75
193	12-Jul	19.25	0.28			2,537.21	710.42
193	12-Jul	19.56	0.15			3,215.59	482.34
200	19-Jul	7.02	0.13	31,467.41	4,090.76	0.00	0.00
200	19-Jul	7.27	0.24	30,572.28	7,337.35	0.00	0.00
200	19-Jul	7.5	0.24	28,995.29	6,858.87	0.00	0.00
200	19-Jul	7.75	0.25	27,202.81	5,800.70	0.00	0.00
200	19-Jul	8	0.25	25,725.67	6,431.42	0.00	0.00
200	19-Jul	8.25	0.25	24,317.41	6,079.35	0.00	0.00
200	19-Jul	8.5	0.25	23,164.76	5,791.19	0.00	0.00
200	19-Jul	8.75	0.25	22,203.91	5,550.98	0.00	0.00
200	19-Jul	9	0.25	21,408.62	5,352.15	0.00	0.00
200	19-Jul	9.25	0.25	20,738.45	5,184.61	0.00	0.00
200	19-Jul	9.5	0.25	20,175.40	5,043.85	0.00	0.00
200	19-Jul	9.75	0.25	19,621.83	4,905.46	0.00	0.00
200	19-Jul	10	0.25	19,171.89	4,792.97	0.00	0.00
200	19-Jul	10.25	0.25	18,797.35	4,689.34	0.00	0.00
200	19-Jul	10.5	0.25	18,387.66	4,596.92	0.00	0.00
200	19-Jul	10.75	0.25	18,043.89	4,510.97	0.00	0.00
200	19-Jul	11	0.25	17,791.40	4,432.85	0.00	0.00
200	19-Jul	11.25	0.25	17,435.66	4,358.91	0.00	0.00
200	19-Jul	11.5	0.25	17,168.30	4,292.32	0.00	0.00

200	19-Jul	11.75	0.25	16,896.30	4,224.08	0.00	0.00
200	19-Jul	12	0.25	16,671.34	4,167.83	0.00	0.00
200	19-Jul	12.25	0.25	16,467.54	4,116.88	0.00	0.00
200	19-Jul	12.5	0.25	16,461.22	4,115.30	0.00	0.00
200	19-Jul	12.75	0.25	16,456.79	4,114.20	0.00	0.00
200	19-Jul	13	0.25	16,451.74	4,112.93	0.00	0.00
200	19-Jul	13.25	0.25	16,445.74	4,111.43	0.00	0.00
200	19-Jul	13.5	0.25	16,442.58	4,110.64	0.00	0.00
200	19-Jul	13.75	0.25	16,437.52	4,109.38	0.00	0.00
200	19-Jul	14	0.25	16,433.73	4,108.43	0.00	0.00
200	19-Jul	14.25	0.25	16,431.20	4,107.80	0.00	0.00
200	19-Jul	14.5	0.25	16,463.11	4,115.75	0.00	0.00
200	19-Jul	14.75	0.25	16,602.45	4,150.61	0.00	0.00
200	19-Jul	15	0.25	16,779.40	4,194.85	0.00	0.00
200	19-Jul	15.25	0.25	16,955.71	4,238.93	0.00	0.00
200	19-Jul	15.5	0.25	17,107.05	4,276.76	0.00	0.00
200	19-Jul	15.75	0.25	17,322.54	4,330.64	0.00	0.00
200	19-Jul	16	0.25	17,574.76	4,381.19	0.00	0.00
200	19-Jul	16.25	0.25	17,811.97	4,452.99	0.00	0.00
200	19-Jul	16.5	0.25	18,060.32	4,515.08	0.00	0.00
200	19-Jul	16.75	0.25	18,348.17	4,587.04	0.00	0.00
200	19-Jul	17	0.25	18,693.84	4,673.46	7.90	1.97

200	19-Jul	17.25	0.25	19,133.75	4,788.27	127.33	31.83
200	19-Jul	17.5	0.25	19,728.21	4,938.03	305.54	76.38
200	19-Jul	17.75	0.25	20,475.83	5,115.97	522.92	130.73
200	19-Jul	18	0.25	21,347.03	5,347.03	747.89	186.97
200	19-Jul	18.25	0.25	22,421.61	5,665.84	1,024.36	256.09
200	19-Jul	18.5	0.25	23,791.95	5,997.93	1,352.02	338.01
200	19-Jul	18.75	0.25	25,307.01	6,376.75	1,749.19	437.30
200	19-Jul	19	0.25	27,017.04	6,834.21	2,272.75	568.19
200	19-Jul	19.25	0.25	28,944.82	7,385.55	2,798.20	699.55
200	19-Jul	19.5	0.13	31,129.31	7,922.67	3,403.59	442.47

207	26-Jul	7.12	0.06	31,240.86	1,874.45	0.00	0.00
207	26-Jul	7.25	0.19	30,785.87	5,849.32	0.00	0.00
207	26-Jul	7.5	0.25	29,312.84	7,328.21	0.00	0.00
207	26-Jul	7.75	0.25	27,426.83	6,856.71	0.00	0.00
207	26-Jul	8	0.25	25,920.62	5,489.15	0.00	0.00
207	26-Jul	8.25	0.25	24,401.14	6,100.28	0.00	0.00
207	26-Jul	8.5	0.25	23,227.32	5,806.83	0.00	0.00
207	26-Jul	8.75	0.25	22,244.67	5,561.17	0.00	0.00
207	26-Jul	9	0.25	21,427.58	5,356.89	0.00	0.00
207	26-Jul	9.25	0.25	20,724.87	5,181.22	0.00	0.00
207	26-Jul	9.5	0.25	20,156.13	5,039.03	0.00	0.00
207	26-Jul	9.75	0.25	19,603.50	4,900.88	0.00	0.00
207	26-Jul	10	0.25	19,139.66	4,784.92	0.00	0.00
207	26-Jul	10.25	0.25	18,773.28	4,682.07	0.00	0.00
207	26-Jul	10.5	0.25	18,336.48	4,584.12	0.00	0.00
207	26-Jul	10.75	0.25	17,997.13	4,499.78	0.00	0.00
207	26-Jul	11	0.25	17,667.58	4,416.89	0.00	0.00
207	26-Jul	11.25	0.25	17,368.04	4,342.01	0.00	0.00
207	26-Jul	11.5	0.25	17,091.25	4,277.81	0.00	0.00
207	26-Jul	11.75	0.25	16,847.01	4,211.75	0.00	0.00
207	26-Jul	12	0.25	16,592.98	4,148.24	0.00	0.00
207	26-Jul	12.25	0.25	16,454.58	4,113.65	0.00	0.00
207	26-Jul	12.5	0.25	16,464.38	4,116.09	0.00	0.00
207	26-Jul	12.75	0.25	16,460.27	4,115.07	0.00	0.00
207	26-Jul	13	0.25	16,453.32	4,113.33	0.00	0.00
207	26-Jul	13.25	0.25	16,447.95	4,111.99	0.00	0.00
207	26-Jul	13.5	0.25	16,444.47	4,111.12	0.00	0.00

207	26-Jul	13.75	0.25	16,439.42	4,109.85	0.00	0.00
207	26-Jul	14	0.25	16,433.73	4,108.43	0.00	0.00
207	26-Jul	14.25	0.25	16,431.83	4,107.95	0.00	0.00
207	26-Jul	14.5	0.25	16,431.52	4,107.88	0.00	0.00
207	26-Jul	14.75	0.25	16,555.69	4,138.92	0.00	0.00
207	26-Jul	15	0.25	16,742.43	4,185.61	0.00	0.00
207	26-Jul	15.25	0.25	16,893.14	4,223.29	0.00	0.00
207	26-Jul	15.5	0.25	17,092.83	4,273.21	0.00	0.00
207	26-Jul	15.75	0.25	17,281.78	4,320.45	0.00	0.00
207	26-Jul	16	0.25	17,518.13	4,379.53	0.00	0.00
207	26-Jul	16.25	0.25	17,761.10	4,440.28	0.00	0.00
207	26-Jul	16.5	0.25	18,040.73	4,510.18	0.00	0.00
207	26-Jul	16.75	0.25	18,306.20	4,576.34	0.00	0.00
207	26-Jul	17	0.25	18,715.16	4,673.01	73.62	18.41
207	26-Jul	17.25	0.25	19,222.11	4,788.55	227.50	56.87
207	26-Jul	17.5	0.25			415.18	103.79
207	26-Jul	17.75	0.25	20,718.34	5,179.72	672.38	168.09
207	26-Jul	18	0.25	21,397.23	5,274.72	934.31	233.58
207	26-Jul	18.25	0.25	22,255.05	5,388.77	1,256.60	314.15
207	26-Jul	18.5	0.25	23,320.07	5,525.11	1,593.42	398.35
207	26-Jul	18.75	0.25			2,069.58	517.39
207	26-Jul	19	0.25			2,630.10	657.53
207	26-Jul	19.25	0.21			3,232.34	678.79
207	26-Jul	19.42	0.09			3,544.51	319.01
214	2-Aug	7.21	0.02	30,974.19	619.48	0.00	0.00
214	2-Aug	7.25	0.15	30,815.57	4,672.34	0.00	0.00
214	2-Aug	7.5	0.25	29,604.16	7,401.04	0.00	0.00
214	2-Aug	7.75	0.25	27,609.14	6,902.29	0.00	0.00
214	2-Aug	8	0.25	26,006.25	6,501.56	0.00	0.00
214	2-Aug	8.25	0.25	24,488.98	6,122.74	0.00	0.00
214	2-Aug	8.5	0.25	23,252.28	5,813.07	0.00	0.00
214	2-Aug	8.75	0.25	22,218.44	5,554.61	0.00	0.00
214	2-Aug	9	0.25	21,415.57	5,393.89	0.00	0.00
214	2-Aug	9.25	0.25	20,711.60	5,177.90	0.00	0.00
214	2-Aug	9.5	0.25	20,100.52	5,025.13	0.00	0.00
214	2-Aug	9.75	0.25	19,560.53	4,890.13	0.00	0.00
214	2-Aug	10	0.25	19,086.58	4,771.65	0.00	0.00
214	2-Aug	10.25	0.25	18,644.55	4,661.14	0.00	0.00
214	2-Aug	10.5	0.25	18,259.38	4,564.85	0.00	0.00
214	2-Aug	10.75	0.25	17,930.15	4,482.54	0.00	0.00
214	2-Aug	11	0.25	17,610.70	4,402.63	0.00	0.00
214	2-Aug	11.25	0.25	17,285.89	4,321.47	0.00	0.00
214	2-Aug	11.5	0.25	17,020.79	4,255.20	0.00	0.00
214	2-Aug	11.75	0.25	16,748.75	4,187.19	0.00	0.00
214	2-Aug	12	0.25	16,540.21	4,135.05	0.00	0.00
214	2-Aug	12.25	0.25	16,471.33	4,117.83	0.00	0.00
214	2-Aug	12.5	0.25	16,465.64	4,116.41	0.00	0.00
214	2-Aug	12.75	0.25	16,462.17	4,115.54	0.00	0.00
214	2-Aug	13	0.25	16,455.21	4,113.80	0.00	0.00
214	2-Aug	13.25	0.25	16,450.16	4,112.54	0.00	0.00
214	2-Aug	13.5	0.25	16,445.74	4,111.43	0.00	0.00
214	2-Aug	13.75	0.25	16,440.68	4,110.17	0.00	0.00
214	2-Aug	14	0.25	16,435.31	4,108.83	0.00	0.00
214	2-Aug	14.25	0.25	16,431.20	4,107.80	0.00	0.00
214	2-Aug	14.5	0.25	16,432.46	4,108.12	0.00	0.00
214	2-Aug	14.75	0.25	16,532.94	4,133.74	0.00	0.00
214	2-Aug	15	0.25	16,675.13	4,168.78	0.00	0.00
214	2-Aug	15.25	0.25	16,851.12	4,212.78	0.00	0.00
214	2-Aug	15.5	0.25	17,032.48	4,258.12	0.00	0.00

214	2-Aug	15.75	0.25	17,726.80	4,306.70	0.00	0.00
214	2-Aug	16	0.25	17,446.08	4,361.52	0.00	0.00
214	2-Aug	16.25	0.25	17,704.23	4,426.06	0.00	0.00
214	2-Aug	16.5	0.25	17,966.17	4,491.54	0.00	0.00
214	2-Aug	16.75	0.25	18,372.94	4,568.98	47.71	11.93
214	2-Aug	17	0.25	18,804.74	4,701.19	182.63	45.66
214	2-Aug	17.25	0.25	19,239.15	4,843.04	348.51	87.13
214	2-Aug	17.5	0.25	19,732.24	5,043.04	557.05	139.26
214	2-Aug	17.75	0.25	20,282.31	5,300.95	830.68	207.67
214	2-Aug	18	0.25	20,889.95	5,619.32	1,194.04	298.51
214	2-Aug	18.25	0.25	21,558.53	5,997.12	1,552.97	388.24
214	2-Aug	18.5	0.25	22,292.1	6,435.32	1,951.72	487.93
214	2-Aug	18.75	0.25	23,092.71	6,934.02	2,481.60	620.40
214	2-Aug	19	0.25	23,960.33	7,503.15	3,049.39	762.35
214	2-Aug	19.25	0.15	24,901.00	8,152.15	3,670.58	550.59
214	2-Aug	19.31	0.03	25,730.15	8,983.01	3,705.65	111.17
221	9-Aug	7.32	0.09	30,601.03	2,754.09	0.00	0.00
221	9-Aug	7.5	0.21	29,821.86	6,262.59	0.00	0.00
221	9-Aug	7.75	0.25	27,839.48	6,959.87	0.00	0.00
221	9-Aug	8	0.25	26,050.48	6,512.62	0.00	0.00
221	9-Aug	8.25	0.25	24,536.37	6,134.09	0.00	0.00
221	9-Aug	8.5	0.25	23,259.55	5,814.89	0.00	0.00
221	9-Aug	8.75	0.25	22,230.76	5,557.89	0.00	0.00
221	9-Aug	9	0.25	21,377.65	5,344.41	0.00	0.00
221	9-Aug	9.25	0.25	20,604.20	5,166.05	0.00	0.00
221	9-Aug	9.5	0.25	20,033.53	5,008.38	0.00	0.00
221	9-Aug	9.75	0.25	19,490.70	4,872.68	0.00	0.00
221	9-Aug	10	0.25	18,995.74	4,749.69	0.00	0.00
221	9-Aug	10.25	0.25	18,550.70	4,637.68	0.00	0.00
221	9-Aug	10.5	0.25	18,194.29	4,548.57	0.00	0.00
221	9-Aug	10.75	0.25	17,821.45	4,455.16	0.00	0.00
221	9-Aug	11	0.25	17,505.80	4,376.45	0.00	0.00
221	9-Aug	11.25	0.25	17,205.00	4,301.25	0.00	0.00
221	9-Aug	11.5	0.25	16,933.90	4,235.48	0.00	0.00
221	9-Aug	11.75	0.25	16,665.02	4,166.25	0.00	0.00
221	9-Aug	12	0.25	16,481.12	4,120.28	0.00	0.00
221	9-Aug	12.25	0.25	16,475.44	4,118.86	0.00	0.00
221	9-Aug	12.5	0.25	16,468.17	4,117.04	0.00	0.00
221	9-Aug	12.75	0.25	16,463.43	4,115.86	0.00	0.00
221	9-Aug	13	0.25	16,456.79	4,114.20	0.00	0.00
221	9-Aug	13.25	0.25	16,451.74	4,112.93	0.00	0.00
221	9-Aug	13.5	0.25	16,444.47	4,111.12	0.00	0.00
221	9-Aug	13.75	0.25	16,442.26	4,110.56	0.00	0.00
221	9-Aug	14	0.25	16,437.30	4,109.30	0.00	0.00
221	9-Aug	14.25	0.25	16,432.46	4,108.12	0.00	0.00
221	9-Aug	14.5	0.25	16,428.99	4,107.25	0.00	0.00
221	9-Aug	14.75	0.25	16,428.90	4,112.22	0.00	0.00
221	9-Aug	15	0.25	16,624.57	4,156.14	0.00	0.00
221	9-Aug	15.25	0.25	16,807.83	4,201.96	0.00	0.00
221	9-Aug	15.5	0.25	16,976.56	4,244.14	0.00	0.00
221	9-Aug	15.75	0.25	17,181.62	4,295.41	0.00	0.00
221	9-Aug	16	0.25	17,417.65	4,354.41	0.00	0.00
221	9-Aug	16.25	0.25	17,664.73	4,416.18	0.00	0.00
221	9-Aug	16.5	0.25	18,022.24	4,482.73	34.76	8.69
221	9-Aug	16.75	0.25	18,495.17	4,554.25	146.29	36.57
221	9-Aug	17	0.25	19,072.24	4,735.29	293.85	73.46
221	9-Aug	17.25	0.25	19,752.07	4,939.65	490.06	122.52
221	9-Aug	17.5	0.25	20,534.40	5,169.33	720.40	180.10
221	9-Aug	17.75	0.25	21,428.87	5,425.17	1,028.47	257.12

221	9-Aug	18	0.25			1,440.49	360.12
221	9-Aug	18.25	0.25			1,918.23	479.56
221	9-Aug	18.5	0.25			2,401.34	600.34
221	9-Aug	18.75	0.34			3,006.42	1,022.18
221	9-Aug	19.18	0.21			3,447.19	723.91
228	16-Aug	7.42	0.04	30,219.66	1,209.79	0.00	0.00
228	16-Aug	7.5	0.17	29,928.97	5,087.92	0.00	0.00
228	16-Aug	7.75	0.25	28,077.72	7,019.43	0.00	0.00
228	16-Aug	8	0.25	26,135.48	6,533.87	0.00	0.00
228	16-Aug	8.25	0.25	24,552.49	6,138.17	0.00	0.00
228	16-Aug	8.5	0.25	23,256.39	5,814.18	0.00	0.00
228	16-Aug	8.75	0.25	22,173.26	5,543.31	0.00	0.00
228	16-Aug	9	0.25	21,308.46	5,327.11	0.00	0.00
228	16-Aug	9.25	0.25	20,564.36	5,141.09	0.00	0.00
228	16-Aug	9.5	0.25	19,940.96	4,985.24	0.00	0.00
228	16-Aug	9.75	0.25	19,380.43	4,845.11	0.00	0.00
228	16-Aug	10	0.25	18,878.36	4,719.59	0.00	0.00
228	16-Aug	10.25	0.25	18,453.39	4,613.35	0.00	0.00
228	16-Aug	10.5	0.25	18,070.75	4,517.69	0.00	0.00
228	16-Aug	10.75	0.25	17,728.87	4,432.22	0.00	0.00
228	16-Aug	11	0.25	17,401.53	4,350.38	0.00	0.00
228	16-Aug	11.25	0.25	17,088.41	4,272.10	0.00	0.00
228	16-Aug	11.5	0.25	16,839.43	4,209.86	0.00	0.00
228	16-Aug	11.75	0.25	16,553.48	4,158.37	0.00	0.00
228	16-Aug	12	0.25	16,483.02	4,120.75	0.00	0.00
228	16-Aug	12.25	0.25	16,476.07	4,119.07	0.00	0.00
228	16-Aug	12.5	0.25	16,470.06	4,117.52	0.00	0.00
228	16-Aug	12.75	0.25	16,465.33	4,116.39	0.00	0.00
228	16-Aug	13	0.25	16,458.06	4,114.51	0.00	0.00
228	16-Aug	13.25	0.25	16,453.32	4,113.33	0.00	0.00
228	16-Aug	13.5	0.25	16,446.37	4,111.59	0.00	0.00
228	16-Aug	13.75	0.25	16,443.84	4,110.96	0.00	0.00
228	16-Aug	14	0.25	16,438.78	4,109.70	0.00	0.00
228	16-Aug	14.25	0.25	16,434.68	4,108.67	0.00	0.00
228	16-Aug	14.5	0.25	16,430.25	4,107.56	0.00	0.00
228	16-Aug	14.75	0.25	16,430.57	4,107.64	0.00	0.00
228	16-Aug	15	0.25	16,571.17	4,142.79	0.00	0.00
228	16-Aug	15.25	0.25	16,749.06	4,187.27	0.00	0.00
228	16-Aug	15.5	0.25	16,935.80	4,233.95	0.00	0.00
228	16-Aug	15.75	0.25	17,127.59	4,281.90	0.00	0.00
228	16-Aug	16	0.25	17,364.88	4,341.22	0.00	0.00
228	16-Aug	16.25	0.25			33.49	8.37
228	16-Aug	16.5	0.25			126.39	31.60
228	16-Aug	16.75	0.25			251.83	62.96
228	16-Aug	17	0.25			408.23	102.06
228	16-Aug	17.25	0.25			630.98	157.75
228	16-Aug	17.5	0.25			902.08	225.52
228	16-Aug	17.75	0.25			1,247.75	311.94
228	16-Aug	18	0.25			1,748.24	437.06
228	16-Aug	18.25	0.25			2,317.93	579.48
228	16-Aug	18.5	0.25			2,948.60	737.15
228	16-Aug	18.75	0.27			3,461.41	934.58
228	16-Aug	19.04	0.14			3,008.95	421.25
235	23-Aug	7.53	0.11	29,783.94	3,276.89	0.00	0.00
235	23-Aug	7.75	0.23	28,315.96	6,532.67	0.00	0.00
235	23-Aug	8	0.25	26,190.14	6,547.53	0.00	0.00
235	23-Aug	8.25	0.25	24,532.26	6,133.07	0.00	0.00
235	23-Aug	8.5	0.25	23,164.76	5,791.19	0.00	0.00
235	23-Aug	8.75	0.25	22,087.32	5,521.83	0.00	0.00

235	23-Aug	9	0.25	21,205.77	5,361.44	0.00	0.00
235	23-Aug	9.25	0.25	20,467.99	5,117.00	0.00	0.00
235	23-Aug	9.5	0.25	19,810.78	4,952.69	0.00	0.00
235	23-Aug	9.75	0.25	19,255.94	4,813.99	0.00	0.00
235	23-Aug	10	0.25	18,719.45	4,687.36	0.00	0.00
235	23-Aug	10.25	0.25	18,328.58	4,582.14	0.00	0.00
235	23-Aug	10.5	0.25	17,925.09	4,481.27	0.00	0.00
235	23-Aug	10.75	0.25	17,573.42	4,393.35	0.00	0.00
235	23-Aug	11	0.25	17,254.61	4,313.65	0.00	0.00
235	23-Aug	11.25	0.25	16,951.91	4,237.98	0.00	0.00
235	23-Aug	11.5	0.25	16,675.71	4,169.18	0.00	0.00
235	23-Aug	11.75	0.25	16,439.65	4,112.41	0.00	0.00
235	23-Aug	12	0.25	16,245.55	4,121.39	0.00	0.00
235	23-Aug	12.25	0.25	16,177.33	4,119.33	0.00	0.00
235	23-Aug	12.5	0.25	16,171.33	4,117.83	0.00	0.00
235	23-Aug	12.75	0.25	16,165.96	4,116.49	0.00	0.00
235	23-Aug	13	0.25	16,159.01	4,114.75	0.00	0.00
235	23-Aug	13.25	0.25	16,154.58	4,113.65	0.00	0.00
235	23-Aug	13.5	0.25	16,147.32	4,111.83	0.00	0.00
235	23-Aug	13.75	0.25	16,142.26	4,110.58	0.00	0.00
235	23-Aug	14	0.25	16,137.52	4,109.38	0.00	0.00
235	23-Aug	14.25	0.25	16,134.04	4,108.51	0.00	0.00
235	23-Aug	14.5	0.25	16,131.20	4,107.80	0.00	0.00
235	23-Aug	14.75	0.25	16,128.99	4,107.25	0.00	0.00
235	23-Aug	15	0.25	16,111.14	4,127.79	0.00	0.00
235	23-Aug	15.25	0.25	16,687.77	4,171.94	0.00	0.00
235	23-Aug	15.5	0.25	16,887.46	4,221.86	0.00	0.00
235	23-Aug	15.75	0.25	17,093.36	4,270.81	0.00	0.00

235	23-Aug	16	0.25	17,303.88	4,357.85	25.91	6.48
235	23-Aug	16.25	0.25	17,372.05	4,403.80	112.17	28.04
235	23-Aug	16.5	0.25	17,440.23	4,449.83	216.12	54.03
235	23-Aug	16.75	0.25	17,508.41	4,495.93	357.99	89.50
235	23-Aug	17	0.25	17,576.59	4,542.09	545.67	136.42
235	23-Aug	17.25	0.25	17,644.77	4,588.31	779.81	194.95
235	23-Aug	17.5	0.25	17,712.95	4,634.59	1,110.62	277.66
235	23-Aug	17.75	0.25	17,781.13	4,680.93	1,516.01	379.00
235	23-Aug	18	0.25	17,849.31	4,727.33	2,048.73	512.18
235	23-Aug	18.25	0.25	17,917.49	4,773.79	2,759.02	689.75
235	23-Aug	18.5	0.25	17,985.67	4,820.31	3,284.47	821.12
235	23-Aug	18.75	0.19	18,053.85	4,866.89	2,804.52	532.86
235	23-Aug	18.88	0.06	18,122.03	4,913.53	2,205.76	132.35

242	30-Aug	7.63	0.06	29,278.39	1,756.70	0.00	0.00
242	30-Aug	7.75	0.19	28,464.15	5,408.19	0.00	0.00
242	30-Aug	8	0.25	26,231.21	6,557.80	0.00	0.00
242	30-Aug	8.25	0.25	24,453.59	6,113.40	0.00	0.00
242	30-Aug	8.5	0.25	23,087.03	5,771.76	0.00	0.00
242	30-Aug	8.75	0.25	21,974.20	5,493.55	0.00	0.00
242	30-Aug	9	0.25	21,069.27	5,267.37	0.00	0.00
242	30-Aug	9.25	0.25	20,309.69	5,077.42	0.00	0.00
242	30-Aug	9.5	0.25	19,657.85	4,914.46	0.00	0.00
242	30-Aug	9.75	0.25	19,103.01	4,775.75	0.00	0.00
242	30-Aug	10	0.25	18,606.95	4,651.74	0.00	0.00
242	30-Aug	10.25	0.25	18,150.69	4,537.67	0.00	0.00
242	30-Aug	10.5	0.25	17,792.38	4,448.10	0.00	0.00
242	30-Aug	10.75	0.25	17,416.38	4,354.10	0.00	0.00
242	30-Aug	11	0.25	17,110.84	4,277.71	0.00	0.00
242	30-Aug	11.25	0.25	16,805.31	4,201.33	0.00	0.00
242	30-Aug	11.5	0.25	16,538.00	4,134.50	0.00	0.00
242	30-Aug	11.75	0.25	16,497.87	4,124.47	0.00	0.00

242	30-Aug	12	0.25	16,489.02	4,122.28	0.00	0.00
242	30-Aug	12.25	0.25	16,481.12	4,120.28	0.00	0.00
242	30-Aug	12.5	0.25	16,472.28	4,118.07	0.00	0.00
242	30-Aug	12.75	0.25	16,465.64	4,116.41	0.00	0.00
242	30-Aug	13	0.25	16,457.74	4,114.44	0.00	0.00
242	30-Aug	13.25	0.25	16,456.79	4,114.20	0.00	0.00
242	30-Aug	13.5	0.25	16,448.90	4,112.22	0.00	0.00
242	30-Aug	13.75	0.25	16,443.52	4,110.83	0.00	0.00
242	30-Aug	14	0.25	16,438.78	4,109.70	0.00	0.00
242	30-Aug	14.25	0.25	16,434.99	4,108.73	0.00	0.00
242	30-Aug	14.5	0.25	16,432.15	4,108.04	0.00	0.00
242	30-Aug	14.75	0.25	16,429.94	4,107.48	0.00	0.00
242	30-Aug	15	0.25	16,444.79	4,111.20	0.00	0.00
242	30-Aug	15.25	0.25	16,631.21	4,157.90	0.00	0.00
242	30-Aug	15.5	0.25	16,841.96	4,210.49	0.00	0.00
242	30-Aug	15.75	0.25			29.07	7.27
242	30-Aug	16	0.25			86.57	21.64
242	30-Aug	16.25	0.25			179.78	44.95
242	30-Aug	16.5	0.25			305.22	76.31
242	30-Aug	16.75	0.25			471.42	117.86
242	30-Aug	17	0.25			686.28	171.57
242	30-Aug	17.25	0.25			964.65	241.16
242	30-Aug	17.5	0.25			1,332.75	333.19
242	30-Aug	17.75	0.25			1,800.06	450.02
242	30-Aug	18	0.25			2,455.37	613.84
242	30-Aug	18.25	0.25			2,885.41	721.35
242	30-Aug	18.5	0.23			2,247.15	516.85
242	30-Aug	18.71	0.11	37,707.11		1,294.83	142.43
249	6-Sep	7.74	0.13	28,685.64	3,779.13	0.00	0.00
249	6-Sep	8	0.25	26,270.08	6,567.52	0.00	0.00
249	6-Sep	8.25	0.25	24,349.34	6,087.33	0.00	0.00
249	6-Sep	8.5	0.25	22,844.85	5,736.21	0.00	0.00
249	6-Sep	8.75	0.25	21,819.69	5,454.91	0.00	0.00
249	6-Sep	9	0.25	20,912.24	5,228.06	0.00	0.00
249	6-Sep	9.25	0.25	20,174.14	5,043.53	0.00	0.00
249	6-Sep	9.5	0.25	19,492.28	4,873.07	0.00	0.00
249	6-Sep	9.75	0.25	18,935.55	4,733.89	0.00	0.00
249	6-Sep	10	0.25	18,436.96	4,609.24	0.00	0.00
249	6-Sep	10.25	0.25	17,995.66	4,499.91	0.00	0.00
249	6-Sep	10.5	0.25	17,619.87	4,404.97	0.00	0.00
249	6-Sep	10.75	0.25	17,237.55	4,309.33	0.00	0.00
249	6-Sep	11	0.25	16,943.70	4,235.91	0.00	0.00
249	6-Sep	11.25	0.25	16,640.69	4,160.17	0.00	0.00
249	6-Sep	11.5	0.25	16,510.82	4,127.71	0.00	0.00
249	6-Sep	11.75	0.25	16,499.45	4,124.86	0.00	0.00
249	6-Sep	12	0.25	16,488.39	4,122.10	0.00	0.00
249	6-Sep	12.25	0.25	16,480.18	4,120.04	0.00	0.00
249	6-Sep	12.5	0.25	16,472.78	4,118.07	0.00	0.00
249	6-Sep	12.75	0.25	16,465.96	4,116.49	0.00	0.00
249	6-Sep	13	0.25	16,458.37	4,114.59	0.00	0.00
249	6-Sep	13.25	0.25	16,453.00	4,113.25	0.00	0.00
249	6-Sep	13.5	0.25	16,447.32	4,111.83	0.00	0.00
249	6-Sep	13.75	0.25	16,442.24	4,110.56	0.00	0.00
249	6-Sep	14	0.25	16,438.47	4,109.62	0.00	0.00
249	6-Sep	14.25	0.25	16,434.99	4,108.75	0.00	0.00
249	6-Sep	14.5	0.25	16,432.46	4,108.12	0.00	0.00
249	6-Sep	14.75	0.25	16,430.25	4,107.56	0.00	0.00
249	6-Sep	15	0.25	16,430.25	4,107.56	0.00	0.00
249	6-Sep	15.25	0.25	18,432.25		0.32	0.08

249	6-Sep	15.5	0.25			19.91	4.98
249	6-Sep	15.75	0.25			69.51	17.38
249	6-Sep	16	0.25			144.40	36.10
249	6-Sep	16.25	0.25			246.14	61.53
249	6-Sep	16.5	0.25			393.38	98.34
249	6-Sep	16.75	0.25			582.96	145.74
249	6-Sep	17	0.25			827.20	206.80
249	6-Sep	17.25	0.25			1,139.37	284.84
249	6-Sep	17.5	0.25			1,581.41	395.35
249	6-Sep	17.75	0.25			2,158.05	539.51
249	6-Sep	18	0.25			2,561.54	640.38
249	6-Sep	18.25	0.27			1,868.63	504.53
249	6-Sep	18.53	0.14			367.78	51.49
256	13-Sep	7.84	0.08	27,884.04	2,230.72	0.00	0.00
256	13-Sep	8	0.21	26,365.18	5,536.69	0.00	0.00
256	13-Sep	8.25	0.25	24,223.56	6,055.89	0.00	0.00
256	13-Sep	8.5	0.25	22,770.75	5,692.69	0.00	0.00
256	13-Sep	8.75	0.25	21,628.53	5,407.13	0.00	0.00
256	13-Sep	9	0.25	20,745.41	5,186.35	0.00	0.00
256	13-Sep	9.25	0.25	19,942.54	4,985.63	0.00	0.00
256	13-Sep	9.5	0.25	19,315.97	4,828.99	0.00	0.00
256	13-Sep	9.75	0.25	18,722.59	4,680.65	0.00	0.00
256	13-Sep	10	0.25	18,257.49	4,564.37	0.00	0.00
256	13-Sep	10.25	0.25	17,811.34	4,452.84	0.00	0.00
256	13-Sep	10.5	0.25	17,435.97	4,358.99	0.00	0.00
256	13-Sep	10.75	0.25	17,082.72	4,270.88	0.00	0.00
256	13-Sep	11	0.25	16,792.35	4,198.09	0.00	0.00
256	13-Sep	11.25	0.25	16,523.78	4,150.94	0.00	0.00
256	13-Sep	11.5	0.25	16,513.35	4,178.34	0.00	0.00
256	13-Sep	11.75	0.25	16,500.40	4,125.10	0.00	0.00
256	13-Sep	12	0.25	16,490.60	4,122.65	0.00	0.00
256	13-Sep	12.25	0.25	16,481.12	4,120.28	0.00	0.00
256	13-Sep	12.5	0.25	16,473.22	4,118.31	0.00	0.00
256	13-Sep	12.75	0.25	16,466.27	4,116.57	0.00	0.00
256	13-Sep	13	0.25	16,459.32	4,114.85	0.00	0.00
256	13-Sep	13.25	0.25	16,453.63	4,113.41	0.00	0.00
256	13-Sep	13.5	0.25	16,448.26	4,112.07	0.00	0.00
256	13-Sep	13.75	0.25	16,443.52	4,110.88	0.00	0.00
256	13-Sep	14	0.25	16,439.73	4,109.93	0.00	0.00
256	13-Sep	14.25	0.25	16,437.84	4,109.46	0.00	0.00
256	13-Sep	14.5	0.25	16,433.11	4,108.35	0.00	0.00
256	13-Sep	14.75	0.25	16,431.20	4,107.80	0.00	0.00
256	13-Sep	15	0.25	16,473.86	4,118.16	0.00	0.00
256	13-Sep	15.25	0.25	16,735.54	4,195.07	2.84	0.71
256	13-Sep	15.5	0.25	17,057.14	4,344.28	39.50	9.87
256	13-Sep	15.75	0.25	17,438.04	4,484.57	101.74	25.44
256	13-Sep	16	0.25	17,871.84	4,712.17	187.37	46.84
256	13-Sep	16.25	0.25	18,351.84	4,929.59	314.39	78.60
256	13-Sep	16.5	0.25	18,871.50	5,132.40	473.63	118.41
256	13-Sep	16.75	0.25	19,425.03	5,426.20	698.29	174.57
256	13-Sep	17	0.25	20,007.22	5,797.55	978.55	244.64
256	13-Sep	17.25	0.25	20,613.44	6,244.89	1,343.49	335.87
256	13-Sep	17.5	0.25	21,239.22	6,773.82	1,843.35	460.84
256	13-Sep	17.75	0.25	21,880.16	7,379.79	2,285.07	571.27
256	13-Sep	18	0.25	22,531.49	8,059.11	1,763.41	440.85
256	13-Sep	18.25	0.18	22,125.24	7,822.58	480.90	86.56
256	13-Sep	18.35	0.05	22,410.72	7,925.57	61.61	3.08
263	20-Sep	7.95	0.02	25,935.19	538.70	0.00	0.00
263	20-Sep	8	0.15	26,405.82	3,960.51	0.00	0.00

263	20-Sep	8.25	0.25	24,087.38	6,021.85	0.00	0.00
263	20-Sep	8.5	0.25	22,536.62	5,634.15	0.00	0.00
263	20-Sep	8.75	0.25	21,389.98	5,347.49	0.00	0.00
263	20-Sep	9	0.25	20,513.80	5,128.45	0.00	0.00
263	20-Sep	9.25	0.25	19,743.79	4,935.95	0.00	0.00
263	20-Sep	9.5	0.25	19,108.38	4,777.10	0.00	0.00
263	20-Sep	9.75	0.25	18,521.32	4,630.33	0.00	0.00
263	20-Sep	10	0.25	18,039.79	4,509.95	0.00	0.00
263	20-Sep	10.25	0.25	17,618.60	4,404.65	0.00	0.00
263	20-Sep	10.5	0.25	17,231.86	4,307.96	0.00	0.00
263	20-Sep	10.75	0.25	16,905.78	4,226.45	0.00	0.00
263	20-Sep	11	0.25	16,597.72	4,149.43	0.00	0.00
263	20-Sep	11.25	0.25	16,330.41	4,132.60	0.00	0.00
263	20-Sep	11.5	0.25	16,114.62	4,128.65	0.00	0.00
263	20-Sep	11.75	0.25	16,004.82	4,126.21	0.00	0.00
263	20-Sep	12	0.25	16,490.29	4,122.57	0.00	0.00
263	20-Sep	12.25	0.25	16,481.44	4,120.36	0.00	0.00
263	20-Sep	12.5	0.25	16,474.17	4,118.54	0.00	0.00
263	20-Sep	12.75	0.25	16,466.27	4,116.57	0.00	0.00
263	20-Sep	13	0.25	16,459.64	4,114.91	0.00	0.00
263	20-Sep	13.25	0.25	16,453.63	4,113.41	0.00	0.00
263	20-Sep	13.5	0.25	16,447.90	4,111.75	0.00	0.00
263	20-Sep	13.75	0.25	16,442.89	4,110.72	0.00	0.00
263	20-Sep	14	0.25	16,439.73	4,109.93	0.00	0.00
263	20-Sep	14.25	0.25	16,437.84	4,109.46	0.00	0.00
263	20-Sep	14.5	0.25	16,433.41	4,108.35	0.00	0.00
263	20-Sep	14.75	0.25	16,501.35	4,125.34	0.00	0.00
263	20-Sep	15	0.25	16,714.94	4,173.73	0.00	0.00
263	20-Sep	15.25	0.25	17,145.86	4,286.72	0.00	0.00
263	20-Sep	15.5	0.25			46.45	11.61
263	20-Sep	15.75	0.25			120.70	30.17
263	20-Sep	16	0.25			229.71	57.43
263	20-Sep	16.25	0.25			370.63	92.66
263	20-Sep	16.5	0.25			559.89	139.97
263	20-Sep	16.75	0.25			805.40	201.35
263	20-Sep	17	0.25			1,135.27	283.82
263	20-Sep	17.25	0.25			1,581.10	395.27
263	20-Sep	17.5	0.25			1,987.11	496.78
263	20-Sep	17.75	0.25			1,847.14	461.78
263	20-Sep	18	0.21			740.63	155.53
263	20-Sep	18.16	0.08			29.38	2.35
270	27-Sep	8.05	0.1	25,864.69	2,586.47	0.00	0.00
270	27-Sep	8.25	0.22	23,941.41	5,267.11	0.00	0.00
270	27-Sep	8.5	0.25	22,262.99	5,565.75	0.00	0.00
270	27-Sep	8.75	0.25	21,080.65	5,270.16	0.00	0.00
270	27-Sep	9	0.25	20,219.64	5,054.91	0.00	0.00
270	27-Sep	9.25	0.25	19,502.39	4,875.60	0.00	0.00
270	27-Sep	9.5	0.25	18,877.73	4,719.43	0.00	0.00
270	27-Sep	9.75	0.25	18,321.31	4,580.33	0.00	0.00
270	27-Sep	10	0.25	17,851.79	4,462.95	0.00	0.00
270	27-Sep	10.25	0.25	17,423.02	4,355.75	0.00	0.00
270	27-Sep	10.5	0.25	17,048.60	4,262.45	0.00	0.00
270	27-Sep	10.75	0.25	16,700.09	4,175.02	0.00	0.00
270	27-Sep	11	0.25	16,548.74	4,137.19	0.00	0.00
270	27-Sep	11.25	0.25	16,533.26	4,133.31	0.00	0.00
270	27-Sep	11.5	0.25	16,514.93	4,128.73	0.00	0.00
270	27-Sep	11.75	0.25	16,504.51	4,126.13	0.00	0.00
270	27-Sep	12	0.25	16,490.29	4,122.57	0.00	0.00
270	27-Sep	12.25	0.25	16,481.44	4,120.36	0.00	0.00

270	27-Sep	12.5	0.25	16,473.22	4,118.31	0.00	0.00
270	27-Sep	12.75	0.25	16,462.48	4,115.62	0.00	0.00
270	27-Sep	13	0.25	16,459.32	4,114.83	0.00	0.00
270	27-Sep	13.25	0.25	16,451.42	4,112.86	0.00	0.00
270	27-Sep	13.5	0.25	16,447.63	4,111.91	0.00	0.00
270	27-Sep	13.75	0.25	16,443.84	4,110.96	0.00	0.00
270	27-Sep	14	0.25	16,439.10	4,109.78	0.00	0.00
270	27-Sep	14.25	0.25	16,443.21	4,110.80	0.00	0.00
270	27-Sep	14.5	0.25	16,523.15	4,130.79	0.00	0.00
270	27-Sep	14.75	0.25	16,776.87	4,194.22	0.00	0.00
270	27-Sep	15	0.25	17,202.16	4,300.54	0.00	0.00
270	27-Sep	15.25	0.25	17,813.87	4,453.47	0.00	0.00
270	27-Sep	15.5	0.25			41.71	10.43
270	27-Sep	15.75	0.25			130.49	32.62
270	27-Sep	16	0.25			256.56	64.14
270	27-Sep	16.25	0.25			414.23	103.56
270	27-Sep	16.5	0.25			647.10	161.77
270	27-Sep	16.75	0.25			912.83	228.21
270	27-Sep	17	0.25			1,308.42	327.10
270	27-Sep	17.25	0.25			1,649.34	412.34
270	27-Sep	17.5	0.25			1,808.91	452.23
270	27-Sep	17.75	0.23			1,152.96	265.18
270	27-Sep	17.97	0.11			59.09	6.50
277	4-Oct	8.16	0.04	21,703.83	988.15	0.00	0.00
277	4-Oct	8.25	0.17	23,866.84	4,057.36	0.00	0.00
277	4-Oct	8.5	0.25	22,064.25	5,516.06	0.00	0.00
277	4-Oct	8.75	0.25	20,760.57	5,190.11	0.00	0.00
277	4-Oct	9	0.25	19,902.72	4,975.68	0.00	0.00
277	4-Oct	9.25	0.25	19,195.27	4,798.82	0.00	0.00
277	4-Oct	9.5	0.25	18,636.65	4,659.16	0.00	0.00
277	4-Oct	9.75	0.25	18,096.34	4,524.09	0.00	0.00
277	4-Oct	10	0.25	17,625.55	4,406.39	0.00	0.00
277	4-Oct	10.25	0.25	17,235.02	4,308.75	0.00	0.00
277	4-Oct	10.5	0.25	16,860.28	4,215.07	0.00	0.00
277	4-Oct	10.75	0.25	16,570.86	4,142.71	0.00	0.00
277	4-Oct	11	0.25	16,348.42	4,137.11	0.00	0.00
277	4-Oct	11.25	0.25	16,530.10	4,132.57	0.00	0.00
277	4-Oct	11.5	0.25	16,515.88	4,128.97	0.00	0.00
277	4-Oct	11.75	0.25	16,506.72	4,125.68	0.00	0.00
277	4-Oct	12	0.25	16,490.60	4,122.65	0.00	0.00
277	4-Oct	12.25	0.25	16,481.12	4,120.28	0.00	0.00
277	4-Oct	12.5	0.25	16,472.59	4,118.15	0.00	0.00
277	4-Oct	12.75	0.25	16,462.17	4,115.54	0.00	0.00
277	4-Oct	13	0.25	16,459.32	4,114.83	0.00	0.00
277	4-Oct	13.25	0.25	16,451.74	4,112.93	0.00	0.00
277	4-Oct	13.5	0.25	16,446.05	4,111.51	0.00	0.00
277	4-Oct	13.75	0.25	16,442.89	4,110.72	0.00	0.00
277	4-Oct	14	0.25	16,444.16	4,111.04	0.00	0.00
277	4-Oct	14.25	0.25	16,545.90	4,135.47	0.00	0.00
277	4-Oct	14.5	0.25	16,786.35	4,196.59	0.00	0.00
277	4-Oct	14.75	0.25	17,269.46	4,317.36	0.00	0.00
277	4-Oct	15	0.25	17,881.80	4,470.45	0.00	0.00
277	4-Oct	15.25	0.25	18,621.80	4,655.45	0.00	0.00
277	4-Oct	15.5	0.25			22.12	5.53
277	4-Oct	15.75	0.25			134.60	33.65
277	4-Oct	16	0.25			280.58	70.14
277	4-Oct	16.25	0.25			471.42	117.86
277	4-Oct	16.5	0.25			712.19	178.05
277	4-Oct	16.75	0.25			1,042.37	260.59

277	4-Oct	17	0.25			1,314.42	328.61
277	4-Oct	17.25	0.25			1,519.48	379.87
277	4-Oct	17.5	0.27			1,518.85	410.09
277	4-Oct	17.79	0.14			129.86	18.18
284	11-Oct	8.27	0.12	23,520.54	2,822.46	0.00	0.00
284	11-Oct	8.5	0.24	21,795.99	5,231.04	0.00	0.00
284	11-Oct	8.75	0.25	20,482.84	5,120.71	0.00	0.00
284	11-Oct	9	0.25	19,541.57	4,885.39	0.00	0.00
284	11-Oct	9.25	0.25	18,926.39	4,731.60	0.00	0.00
284	11-Oct	9.5	0.25	18,364.28	4,591.07	0.00	0.00
284	11-Oct	9.75	0.25	17,856.84	4,464.21	0.00	0.00
284	11-Oct	10	0.25	17,431.55	4,357.89	0.00	0.00
284	11-Oct	10.25	0.25	17,029.96	4,257.49	0.00	0.00
284	11-Oct	10.5	0.25	16,653.12	4,165.78	0.00	0.00
284	11-Oct	10.75	0.25	16,322.44	4,143.11	0.00	0.00
284	11-Oct	11	0.25	16,055.38	4,138.84	0.00	0.00
284	11-Oct	11.25	0.25	16,537.37	4,134.24	0.00	0.00
284	11-Oct	11.5	0.25	16,517.78	4,129.44	0.00	0.00
284	11-Oct	11.75	0.25	16,502.29	4,125.57	0.00	0.00
284	11-Oct	12	0.25	16,488.71	4,122.18	0.00	0.00
284	11-Oct	12.25	0.25	16,478.60	4,119.65	0.00	0.00
284	11-Oct	12.5	0.25	16,467.54	4,116.88	0.00	0.00
284	11-Oct	12.75	0.25	16,461.85	4,115.46	0.00	0.00
284	11-Oct	13	0.25	16,459.32	4,114.83	0.00	0.00
284	11-Oct	13.25	0.25	16,450.47	4,112.62	0.00	0.00
284	11-Oct	13.5	0.25	16,447.00	4,111.75	0.00	0.00
284	11-Oct	13.75	0.25	16,449.84	4,112.46	0.00	0.00
284	11-Oct	14	0.25	16,554.74	4,138.69	0.00	0.00
284	11-Oct	14.25	0.25	16,833.74	4,208.44	0.00	0.00
284	11-Oct	14.5	0.25	17,296.94	4,324.24	0.00	0.00
284	11-Oct	14.75	0.25	17,935.52	4,483.88	0.00	0.00
284	11-Oct	15	0.25	18,647.39	4,661.85	0.00	0.00
284	11-Oct	15.25	0.25	19,619.30	4,904.83	0.00	0.00
284	11-Oct	15.5	0.25	20,709.07	5,172.27	0.00	0.00
284	11-Oct	15.75	0.25			108.69	27.17
284	11-Oct	16	0.25			272.99	68.25
284	11-Oct	16.25	0.25			486.59	121.65
284	11-Oct	16.5	0.25			776.65	194.16
284	11-Oct	16.75	0.25			1,016.78	254.19
284	11-Oct	17	0.25			1,216.47	304.12
284	11-Oct	17.25	0.25			1,375.09	343.77
284	11-Oct	17.5	0.19			972.54	184.78
284	11-Oct	17.62	0.06			271.10	16.27
291	18-Oct	8.38	0.06	22,327.13	1,339.63	0.00	0.00
291	18-Oct	8.5	0.18	21,527.42	3,874.94	0.00	0.00
291	18-Oct	8.75	0.25	20,113.47	5,028.37	0.00	0.00
291	18-Oct	9	0.25	19,273.95	4,818.49	0.00	0.00
291	18-Oct	9.25	0.25	18,641.07	4,660.27	0.00	0.00
291	18-Oct	9.5	0.25	18,129.20	4,532.30	0.00	0.00
291	18-Oct	9.75	0.25	17,653.04	4,413.26	0.00	0.00
291	18-Oct	10	0.25	17,236.28	4,309.07	0.00	0.00
291	18-Oct	10.25	0.25	16,834.37	4,208.59	0.00	0.00
291	18-Oct	10.5	0.25	16,608.77	4,152.19	0.00	0.00
291	18-Oct	10.75	0.25	16,575.91	4,143.98	0.00	0.00
291	18-Oct	11	0.25	16,552.22	4,138.05	0.00	0.00
291	18-Oct	11.25	0.25	16,531.99	4,133.00	0.00	0.00
291	18-Oct	11.5	0.25	16,516.20	4,129.05	0.00	0.00
291	18-Oct	11.75	0.25	16,500.08	4,125.02	0.00	0.00
291	18-Oct	12	0.25	16,485.23	4,121.31	0.00	0.00

291	18-Oct	12.25	0.25	16,476.38	4,119.10	0.00	0.00
291	18-Oct	12.5	0.25	16,465.96	4,116.49	0.00	0.00
291	18-Oct	12.75	0.25	16,461.22	4,115.30	0.00	0.00
291	18-Oct	13	0.25	16,453.63	4,113.41	0.00	0.00
291	18-Oct	13.25	0.25	16,450.79	4,112.70	0.00	0.00
291	18-Oct	13.5	0.25	16,453.69	4,114.67	0.00	0.00
291	18-Oct	13.75	0.25	16,579.39	4,144.85	0.00	0.00
291	18-Oct	14	0.25	16,849.22	4,212.31	0.00	0.00
291	18-Oct	14.25	0.25	17,327.60	4,331.90	0.00	0.00
291	18-Oct	14.5	0.25	17,916.56	4,479.14	0.00	0.00
291	18-Oct	14.75	0.25	18,656.24	4,664.06	0.00	0.00
291	18-Oct	15	0.25	19,596.87	4,899.22	0.00	0.00
291	18-Oct	15.25	0.25	20,721.08	5,180.27	0.00	0.00
291	18-Oct	15.5	0.25	21,965.04	5,491.26	0.00	0.00
291	18-Oct	15.75	0.25		5,877.21	67.30	16.83
291	18-Oct	16	0.25	25,227.71	6,306.01	254.98	63.75
291	18-Oct	16.25	0.25	27,666.93	6,916.86	497.96	124.49
291	18-Oct	16.5	0.25	30,281.83	7,512.42	703.97	175.99
291	18-Oct	16.75	0.25	33,085.73	8,279.13	899.24	224.81
291	18-Oct	17	0.25	36,083.01	9,133.25	1,104.30	276.08
291	18-Oct	17.25	0.22	38,373.33	9,875.13	1,246.80	274.30
291	18-Oct	17.45	0.1		4,138.87	781.07	78.11
298	25-Oct	7.5	0.13	21,225.36	2,759.30	0.00	0.00
298	25-Oct	7.75	0.25	19,833.21	4,958.30	0.00	0.00
298	25-Oct	8	0.25	19,076.47	4,769.12	0.00	0.00
298	25-Oct	8.25	0.25	18,460.34	4,615.08	0.00	0.00
298	25-Oct	8.5	0.25	17,930.78	4,482.69	0.00	0.00
298	25-Oct	8.75	0.25	17,460.62	4,365.15	0.00	0.00
298	25-Oct	9	0.25	17,024.27	4,256.07	0.00	0.00
298	25-Oct	9.25	0.25	16,683.03	4,170.76	0.00	0.00
298	25-Oct	9.5	0.25	16,607.19	4,151.80	0.00	0.00
298	25-Oct	9.75	0.25	16,580.65	4,145.16	0.00	0.00
298	25-Oct	10	0.25	16,555.38	4,138.84	0.00	0.00
298	25-Oct	10.25	0.25	16,532.94	4,133.24	0.00	0.00
298	25-Oct	10.5	0.25	16,511.14	4,127.79	0.00	0.00
298	25-Oct	10.75	0.25	16,495.66	4,123.91	0.00	0.00
298	25-Oct	11	0.25	16,485.55	4,121.39	0.00	0.00
298	25-Oct	11.25	0.25	16,473.86	4,118.46	0.00	0.00
298	25-Oct	11.5	0.25	16,465.33	4,116.33	0.00	0.00
298	25-Oct	11.75	0.25	16,460.90	4,115.23	0.00	0.00
298	25-Oct	12	0.25	16,453.63	4,113.41	0.00	0.00
298	25-Oct	12.25	0.25	16,467.85	4,116.96	0.00	0.00
298	25-Oct	12.5	0.25	16,590.76	4,147.69	0.00	0.00
298	25-Oct	12.75	0.25	16,910.52	4,227.63	0.00	0.00
298	25-Oct	13	0.25	17,317.80	4,329.45	0.00	0.00
298	25-Oct	13.25	0.25	17,903.29	4,475.82	0.00	0.00
298	25-Oct	13.5	0.25	18,556.07	4,639.02	0.00	0.00
298	25-Oct	13.75	0.25	19,339.05	4,884.76	0.00	0.00
298	25-Oct	14	0.25	20,574.78	5,143.70	0.00	0.00
298	25-Oct	14.25	0.25	21,891.10	5,472.78	0.00	0.00
298	25-Oct	14.5	0.25	23,312.00	5,828.00	0.00	0.00
298	25-Oct	14.75	0.25	25,128.33	6,229.32	15.48	3.87
298	25-Oct	15	0.25	27,393.66	6,682.11	218.96	54.74
298	25-Oct	15.25	0.25	29,921.21	7,190.32	454.99	113.75
298	25-Oct	15.5	0.25	32,738.53	7,763.72	618.35	154.59
298	25-Oct	15.75	0.25	35,893.71	8,413.44	800.66	200.16
298	25-Oct	16	0.25	39,427.93	9,152.13	989.92	247.48
298	25-Oct	16.25	0.15	43,276.01	9,981.43	1,166.55	174.98
298	25-Oct	16.3	0.03	41,279.67	1,257.82	1,196.56	35.90

305	1-Nov	7.61	0.07	20,173.82	1,412.17	0.00	0.00
305	1-Nov	7.75	0.19	19,638.58	3,731.33	0.00	0.00
305	1-Nov	8	0.25	18,889.74	4,722.43	0.00	0.00
305	1-Nov	8.25	0.25	18,273.29	4,568.32	0.00	0.00
305	1-Nov	8.5	0.25	17,754.15	4,438.54	0.00	0.00
305	1-Nov	8.75	0.25	17,276.73	4,319.18	0.00	0.00
305	1-Nov	9	0.25	16,870.08	4,217.57	0.00	0.00
305	1-Nov	9.25	0.25	16,518.57	4,154.64	0.00	0.00
305	1-Nov	9.5	0.25	16,203.72	4,158.93	0.00	0.00
305	1-Nov	9.75	0.25	16,577.18	4,144.29	0.00	0.00
305	1-Nov	10	0.25	16,551.27	4,137.82	0.00	0.00
305	1-Nov	10.25	0.25	16,527.57	4,131.89	0.00	0.00
305	1-Nov	10.5	0.25	16,511.46	4,127.86	0.00	0.00
305	1-Nov	10.75	0.25	16,494.39	4,123.68	0.00	0.00
305	1-Nov	11	0.25	16,483.07	4,120.75	0.00	0.00
305	1-Nov	11.25	0.25	16,472.59	4,118.15	0.00	0.00
305	1-Nov	11.5	0.25	16,464.89	4,116.17	0.00	0.00
305	1-Nov	11.75	0.25	16,460.59	4,115.15	0.00	0.00
305	1-Nov	12	0.25	16,467.54	4,116.88	0.00	0.00
305	1-Nov	12.25	0.25	16,611.93	4,152.98	0.00	0.00
305	1-Nov	12.5	0.25	16,889.04	4,222.26	0.00	0.00
305	1-Nov	12.75	0.25	17,325.70	4,331.48	0.00	0.00
305	1-Nov	13	0.25	17,842.67	4,460.86	0.00	0.00
305	1-Nov	13.25	0.25	18,497.62	4,624.41	0.00	0.00
305	1-Nov	13.5	0.25	19,339.36	4,834.84	0.00	0.00
305	1-Nov	13.75	0.25	20,394.05	5,098.51	0.00	0.00
305	1-Nov	14	0.25	21,560.92	5,390.23	0.00	0.00
305	1-Nov	14.25	0.25	22,981.82	5,745.45	0.00	0.00
305	1-Nov	14.5	0.25	24,665.60	6,166.40	0.00	0.00
305	1-Nov	14.75	0.25	27,021.45	6,755.30	0.00	0.00
305	1-Nov	15	0.25			168.09	42.02
305	1-Nov	15.25	0.25			344.09	86.02
305	1-Nov	15.5	0.25			535.56	133.89
305	1-Nov	15.75	0.25			701.76	175.44
305	1-Nov	16	0.21			874.60	183.66
305	1-Nov	16.17	0.09			1,001.93	90.17
312	8-Nov	7.73	0.01	19,515.03	1,951.50	0.00	0.00
312	8-Nov	7.75	0.13	19,441.73	2,527.42	0.00	0.00
312	8-Nov	8	0.25	18,798.11	4,699.53	0.00	0.00
312	8-Nov	8.25	0.25	18,157.01	4,539.25	0.00	0.00
312	8-Nov	8.5	0.25	17,615.07	4,402.57	0.00	0.00
312	8-Nov	8.75	0.25	17,140.55	4,285.14	0.00	0.00
312	8-Nov	9	0.25	16,744.01	4,186.00	0.00	0.00
312	8-Nov	9.25	0.25	16,611.93	4,152.98	0.00	0.00
312	8-Nov	9.5	0.25	16,593.29	4,148.30	0.00	0.00
312	8-Nov	9.75	0.25	16,570.86	4,142.71	0.00	0.00
312	8-Nov	10	0.25	16,551.58	4,137.90	0.00	0.00
312	8-Nov	10.25	0.25	16,575.98	4,131.50	0.00	0.00
312	8-Nov	10.5	0.25	16,510.19	4,127.55	0.00	0.00
312	8-Nov	10.75	0.25	16,489.97	4,122.49	0.00	0.00
312	8-Nov	11	0.25	16,479.86	4,119.56	0.00	0.00
312	8-Nov	11.25	0.25	16,470.70	4,117.67	0.00	0.00
312	8-Nov	11.5	0.25	16,465.64	4,116.41	0.00	0.00
312	8-Nov	11.75	0.25	16,474.80	4,118.70	0.00	0.00
312	8-Nov	12	0.25	16,586.02	4,146.51	0.00	0.00
312	8-Nov	12.25	0.25	16,861.23	4,215.31	0.00	0.00
312	8-Nov	12.5	0.25	17,241.02	4,310.26	0.00	0.00
312	8-Nov	12.75	0.25	17,781.33	4,445.33	0.00	0.00
312	8-Nov	13	0.25	18,351.33	4,587.83	0.00	0.00

312	8-Nov	13.25	0.25	19,188.64	4,797.16	0.00	0.00
312	8-Nov	13.5	0.25	20,073.98	5,018.49	0.00	0.00
312	8-Nov	13.75	0.25	21,206.72	5,301.68	0.00	0.00
312	8-Nov	14	0.25	22,458.89	5,614.72	0.00	0.00
312	8-Nov	14.25	0.25	24,079.47	6,012.37	0.00	0.00
312	8-Nov	14.5	0.25	26,153.17	6,539.29	0.00	0.00
312	8-Nov	14.75	0.25	28,810.76	7,202.69	0.00	0.00
312	8-Nov	15	0.25	31,999.16	7,949.77	94.47	23.62
312	8-Nov	15.25	0.25		8,596.81	267.62	66.91
312	8-Nov	15.5	0.25	37,022.89	9,290.82	437.30	109.32
312	8-Nov	15.75	0.25	40,632.96	10,178.24	615.50	153.88
312	8-Nov	16	0.15	42,660.49	10,396.02	788.34	118.25
312	8-Nov	16.05	0.03	43,191.77	10,941.23	821.51	24.65
319	15-Nov	7.85	0.08	19,012.76	1,521.82	0.00	0.00
319	15-Nov	8	0.2	18,662.56	3,732.51	0.00	0.00
319	15-Nov	8.25	0.25	18,041.05	4,510.26	0.00	0.00
319	15-Nov	8.5	0.25	17,502.01	4,375.50	0.00	0.00
319	15-Nov	8.75	0.25	17,009.74	4,252.43	0.00	0.00
319	15-Nov	9	0.25	16,635.63	4,158.91	0.00	0.00
319	15-Nov	9.25	0.25	16,605.93	4,151.48	0.00	0.00
319	15-Nov	9.5	0.25	16,587.92	4,146.98	0.00	0.00
319	15-Nov	9.75	0.25	16,570.86	4,142.71	0.00	0.00
319	15-Nov	10	0.25	16,548.21	4,136.55	0.00	0.00
319	15-Nov	10.25	0.25	16,526.94	4,131.73	0.00	0.00
319	15-Nov	10.5	0.25	16,507.98	4,127.00	0.00	0.00
319	15-Nov	10.75	0.25	16,489.97	4,122.49	0.00	0.00
319	15-Nov	11	0.25	16,480.49	4,120.12	0.00	0.00
319	15-Nov	11.25	0.25	16,472.59	4,118.15	0.00	0.00
319	15-Nov	11.5	0.25	16,470.70	4,117.67	0.00	0.00
319	15-Nov	11.75	0.25	16,560.75	4,140.19	0.00	0.00
319	15-Nov	12	0.25	16,779.08	4,194.77	0.00	0.00
319	15-Nov	12.25	0.25	17,154.13	4,298.53	0.00	0.00
319	15-Nov	12.5	0.25	17,612.92	4,403.23	0.00	0.00
319	15-Nov	12.75	0.25	18,184.50	4,546.12	0.00	0.00
319	15-Nov	13	0.25	18,895.42	4,723.86	0.00	0.00
319	15-Nov	13.25	0.25	19,797.51	4,949.38	0.00	0.00
319	15-Nov	13.5	0.25	20,749.51	5,187.38	0.00	0.00
319	15-Nov	13.75	0.25	21,925.22	5,481.31	0.00	0.00
319	15-Nov	14	0.25	23,278.82	5,819.71	0.00	0.00
319	15-Nov	14.25	0.25	25,174.31	6,293.58	0.00	0.00
319	15-Nov	14.5	0.25	27,517.51	6,879.38	0.00	0.00
319	15-Nov	14.75	0.25	30,291.38	7,572.85	0.00	0.00
319	15-Nov	15	0.25	33,211.86	8,302.97	0.00	0.00
319	15-Nov	15.25	0.25	36,441.29	9,100.77	189.26	47.32
319	15-Nov	15.5	0.25	40,568.71	9,897.43	359.89	89.97
319	15-Nov	15.75	0.23	44,918.26	10,611.23	537.77	123.69
319	15-Nov	15.96	0.11	48,880.07	11,269.61	685.33	75.39
326	22-Nov	7.96	0.02	18,660.34	373.21	0.00	0.00
326	22-Nov	8	0.15	18,582.93	2,787.44	0.00	0.00
326	22-Nov	8.25	0.25	17,988.92	4,497.23	0.00	0.00
326	22-Nov	8.5	0.25	17,438.19	4,359.55	0.00	0.00
326	22-Nov	8.75	0.25	16,924.74	4,231.19	0.00	0.00
326	22-Nov	9	0.25	16,619.83	4,154.96	0.00	0.00
326	22-Nov	9.25	0.25	16,604.67	4,151.17	0.00	0.00
326	22-Nov	9.5	0.25	16,583.50	4,145.87	0.00	0.00
326	22-Nov	9.75	0.25	16,568.96	4,142.74	0.00	0.00
326	22-Nov	10	0.25	16,547.48	4,138.87	0.00	0.00
326	22-Nov	10.25	0.25	16,528.94	4,131.73	0.00	0.00
326	22-Nov	10.5	0.25	16,506.40	4,126.60	0.00	0.00

326	22-Nov	10.75	0.25	16,490.92	4,122.73	0.00	0.00
326	22-Nov	11	0.25	16,482.39	4,120.60	0.00	0.00
326	22-Nov	11.25	0.25	16,471.96	4,117.99	0.00	0.00
326	22-Nov	11.5	0.25	16,507.29	4,125.57	0.00	0.00
326	22-Nov	11.75	0.25	16,712.73	4,178.18	0.00	0.00
326	22-Nov	12	0.25	16,978.14	4,244.53	0.00	0.00
326	22-Nov	12.25	0.25	17,429.97	4,357.49	0.00	0.00
326	22-Nov	12.5	0.25	17,905.18	4,476.30	0.00	0.00
326	22-Nov	12.75	0.25	18,568.71	4,642.18	0.00	0.00
326	22-Nov	13	0.25	19,343.15	4,835.79	0.00	0.00
326	22-Nov	13.25	0.25	20,290.73	5,072.68	0.00	0.00
326	22-Nov	13.5	0.25	21,307.77	5,325.69	0.00	0.00
326	22-Nov	13.75	0.25	22,549.89	5,637.47	0.00	0.00
326	22-Nov	14	0.25	23,983.75	5,995.94	0.00	0.00
326	22-Nov	14.25	0.25	26,122.21	6,530.55	0.00	0.00
326	22-Nov	14.5	0.25	28,564.63	7,141.16	0.00	0.00
326	22-Nov	14.75	0.25	31,537.55	7,884.39	0.00	0.00
326	22-Nov	15	0.25	34,561.67	8,640.42	0.00	0.00
326	22-Nov	15.25	0.25			98.58	24.65
326	22-Nov	15.5	0.25			289.43	72.36
326	22-Nov	15.75	0.2			434.14	86.83
326	22-Nov	15.9	0.08			553.89	44.31
333	29-Nov	8.07	0.09	18,344.69	1,851.02	0.00	0.00
333	29-Nov	8.25	0.21	17,960.70	3,771.77	0.00	0.00
333	29-Nov	8.5	0.25	17,412.59	4,353.15	0.00	0.00
333	29-Nov	8.75	0.25	16,889.35	4,277.34	0.00	0.00
333	29-Nov	9	0.25	16,620.46	4,155.12	0.00	0.00
333	29-Nov	9.25	0.25	16,603.09	4,150.77	0.00	0.00
333	29-Nov	9.5	0.25	16,586.97	4,148.74	0.00	0.00
333	29-Nov	9.75	0.25	16,568.96	4,142.29	0.00	0.00
333	29-Nov	10	0.25	16,544.32	4,138.08	0.00	0.00
333	29-Nov	10.25	0.25	16,526.94	4,131.73	0.00	0.00
333	29-Nov	10.5	0.25	16,507.35	4,126.84	0.00	0.00
333	29-Nov	10.75	0.25	16,491.87	4,122.97	0.00	0.00
333	29-Nov	11	0.25	16,479.54	4,119.89	0.00	0.00
333	29-Nov	11.25	0.25	16,482.07	4,120.52	0.00	0.00
333	29-Nov	11.5	0.25	16,585.08	4,148.27	0.00	0.00
333	29-Nov	11.75	0.25	16,827.42	4,206.96	0.00	0.00
333	29-Nov	12	0.25	17,105.47	4,276.37	0.00	0.00
333	29-Nov	12.25	0.25	17,607.23	4,401.81	0.00	0.00
333	29-Nov	12.5	0.25	18,133.94	4,533.49	0.00	0.00
333	29-Nov	12.75	0.25	18,893.21	4,723.30	0.00	0.00
333	29-Nov	13	0.25	19,689.45	4,922.36	0.00	0.00
333	29-Nov	13.25	0.25	20,664.20	5,166.05	0.00	0.00
333	29-Nov	13.5	0.25	21,697.23	5,424.43	0.00	0.00
333	29-Nov	13.75	0.25	22,986.24	5,746.56	0.00	0.00
333	29-Nov	14	0.25	24,607.46	6,151.87	0.00	0.00
333	29-Nov	14.25	0.25	26,765.51	6,691.38	0.00	0.00
333	29-Nov	14.5	0.25	29,313.47	7,328.37	0.00	0.00
333	29-Nov	14.75	0.25	32,394.14	8,098.53	0.00	0.00
333	29-Nov	15	0.25	35,447.95	8,861.99	0.00	0.00
333	29-Nov	15.25	0.25	38,923.99	9,730.90	0.00	0.00
333	29-Nov	15.5	0.25			219.28	54.82
333	29-Nov	15.75	0.18			380.74	68.53
333	29-Nov	15.86	0.05			430.03	21.50
340	6-Dec	8.17	0.04	18,129.20	725.17	0.00	0.00
340	6-Dec	8.25	0.17	17,946.89	3,058.97	0.00	0.00
340	6-Dec	8.5	0.25	17,408.80	4,352.20	0.00	0.00
340	6-Dec	8.75	0.25	16,916.21	4,229.05	0.00	0.00

340	6-Dec	9	0.25	16,621.41	4,155.35	0.00	0.00
340	6-Dec	9.25	0.25	16,602.77	4,150.69	0.00	0.00
340	6-Dec	9.5	0.25	16,586.97	4,146.74	0.00	0.00
340	6-Dec	9.75	0.25	16,568.96	4,142.24	0.00	0.00
340	6-Dec	10	0.25	16,548.11	4,137.03	0.00	0.00
340	6-Dec	10.25	0.25	16,526.94	4,131.73	0.00	0.00
340	6-Dec	10.5	0.25	16,507.98	4,127.00	0.00	0.00
340	6-Dec	10.75	0.25	16,492.81	4,123.21	0.00	0.00
340	6-Dec	11	0.25	16,481.12	4,120.28	0.00	0.00
340	6-Dec	11.25	0.25	16,493.13	4,123.28	0.00	0.00
340	6-Dec	11.5	0.25	16,657.12	4,164.28	0.00	0.00
340	6-Dec	11.75	0.25	16,961.60	4,240.90	0.00	0.00
340	6-Dec	12	0.25	17,304.22	4,326.05	0.00	0.00
340	6-Dec	12.25	0.25	17,775.64	4,443.91	0.00	0.00
340	6-Dec	12.5	0.25	18,294.14	4,573.53	0.00	0.00
340	6-Dec	12.75	0.25	19,057.20	4,764.30	0.00	0.00
340	6-Dec	13	0.25	19,857.34	4,966.83	0.00	0.00
340	6-Dec	13.25	0.25	20,861.68	5,215.42	0.00	0.00
340	6-Dec	13.5	0.25	21,991.65	5,485.41	0.00	0.00
340	6-Dec	13.75	0.25	23,260.00	5,815.12	0.00	0.00
340	6-Dec	14	0.25	24,934.17	6,233.54	0.00	0.00
340	6-Dec	14.25	0.25	27,114.02	6,778.51	0.00	0.00
340	6-Dec	14.5	0.25	29,647.13	7,411.78	0.00	0.00
340	6-Dec	14.75	0.25	32,742.02	8,185.50	0.00	0.00
340	6-Dec	15	0.25	35,837.54	8,959.30	0.00	0.00
340	6-Dec	15.25	0.25	39,340.98	9,815.24	0.00	0.00
340	6-Dec	15.5	0.25	41,037.73	10,475.14	148.19	37.05
340	6-Dec	15.75	0.17		7,375.75	315.02	53.55
340	6-Dec	15.85	0.05	43,970.17	7,195.51	328.61	16.43
347	13-Dec	8.26	0.12	17,575.64	2,157.08	0.00	0.00
347	13-Dec	8.5	0.25	17,476.42	4,369.10	0.00	0.00
347	13-Dec	8.75	0.25	16,963.50	4,241.38	0.00	0.00
347	13-Dec	9	0.25	16,622.04	4,155.51	0.00	0.00
347	13-Dec	9.25	0.25	16,603.40	4,150.85	0.00	0.00
347	13-Dec	9.5	0.25	16,589.13	4,146.03	0.00	0.00
347	13-Dec	9.75	0.25	16,570.23	4,142.56	0.00	0.00
347	13-Dec	10	0.25	16,552.22	4,138.05	0.00	0.00
347	13-Dec	10.25	0.25	16,532.63	4,133.16	0.00	0.00
347	13-Dec	10.5	0.25	16,508.30	4,127.07	0.00	0.00
347	13-Dec	10.75	0.25	16,493.76	4,123.44	0.00	0.00
347	13-Dec	11	0.25	16,482.70	4,120.68	0.00	0.00
347	13-Dec	11.25	0.25	16,501.03	4,125.26	0.00	0.00
347	13-Dec	11.5	0.25	16,677.34	4,159.33	0.00	0.00
347	13-Dec	11.75	0.25	16,985.41	4,246.35	0.00	0.00
347	13-Dec	12	0.25	17,335.81	4,333.95	0.00	0.00
347	13-Dec	12.25	0.25	17,797.12	4,449.28	0.00	0.00
347	13-Dec	12.5	0.25	18,374.16	4,581.04	0.00	0.00
347	13-Dec	12.75	0.25	19,090.69	4,772.67	0.00	0.00
347	13-Dec	13	0.25	19,920.73	4,980.18	0.00	0.00
347	13-Dec	13.25	0.25	20,903.39	5,227.35	0.00	0.00
347	13-Dec	13.5	0.25	21,950.82	5,487.70	0.00	0.00
347	13-Dec	13.75	0.25	23,286.41	5,821.60	0.00	0.00
347	13-Dec	14	0.25	24,960.71	6,240.18	0.00	0.00
347	13-Dec	14.25	0.25	27,131.09	6,782.77	0.00	0.00
347	13-Dec	14.5	0.25	29,650.92	7,412.73	0.00	0.00
347	13-Dec	14.75	0.25	32,705.68	8,176.42	0.00	0.00
347	13-Dec	15	0.25	35,725.69	8,981.42	0.00	0.00
347	13-Dec	15.25	0.25	39,237.97	9,809.49	0.00	0.00
347	13-Dec	15.5	0.25		10,485.54	76.78	19.19

347	13-Dec	15.75	0.18	17,926.67	1,434.13	255.62	46.01
347	13-Dec	15.87	0.06	17,926.67	1,434.13	256.56	15.39
354	20-Dec	8.33	0.08	17,926.67	1,434.13	0.00	0.00
354	20-Dec	8.5	0.21	17,592.69	3,694.47	0.00	0.00
354	20-Dec	8.75	0.25	17,057.45	4,264.38	0.00	0.00
354	20-Dec	9	0.25	16,628.05	4,157.01	0.00	0.00
354	20-Dec	9.25	0.25	16,607.19	4,151.80	0.00	0.00
354	20-Dec	9.5	0.25	16,592.66	4,148.16	0.00	0.00
354	20-Dec	9.75	0.25	16,571.49	4,142.87	0.00	0.00
354	20-Dec	10	0.25	16,554.11	4,138.53	0.00	0.00
354	20-Dec	10.25	0.25	16,535.15	4,135.79	0.00	0.00
354	20-Dec	10.5	0.25	16,513.04	4,128.78	0.00	0.00
354	20-Dec	10.75	0.25	16,497.24	4,124.31	0.00	0.00
354	20-Dec	11	0.25	16,485.55	4,121.39	0.00	0.00
354	20-Dec	11.25	0.25	16,501.66	4,125.43	0.00	0.00
354	20-Dec	11.5	0.25	16,654.27	4,163.97	0.00	0.00
354	20-Dec	11.75	0.25	16,953.18	4,238.29	0.00	0.00
354	20-Dec	12	0.25	17,296.00	4,324.00	0.00	0.00
354	20-Dec	12.25	0.25	17,738.35	4,434.59	0.00	0.00
354	20-Dec	12.5	0.25	18,238.53	4,559.69	0.00	0.00
354	20-Dec	12.75	0.25	19,008.22	4,752.06	0.00	0.00
354	20-Dec	13	0.25	19,804.63	4,950.01	0.00	0.00
354	20-Dec	13.25	0.25	20,772.26	5,193.07	0.00	0.00
354	20-Dec	13.5	0.25	21,802.95	5,450.74	0.00	0.00
354	20-Dec	13.75	0.25	23,028.30	5,772.07	0.00	0.00
354	20-Dec	14	0.25	24,686.14	6,171.59	0.00	0.00
354	20-Dec	14.25	0.25	26,809.17	6,702.04	0.00	0.00
354	20-Dec	14.5	0.25	29,242.69	7,310.67	0.00	0.00
354	20-Dec	14.75	0.25	32,270.36	8,055.09	0.00	0.00
354	20-Dec	15	0.25	35,167.60	8,796.90	0.00	0.00
354	20-Dec	15.25	0.25	38,679.42	9,657.38	0.00	0.00
354	20-Dec	15.5	0.25	41,926.67	10,544.13	15.48	3.87
354	20-Dec	15.75	0.21	45,000.00	11,434.13	205.69	43.20
354	20-Dec	15.91	0.08	48,000.00	12,334.13	248.03	19.84
						238,792.80	54,178.17

Valley CA

36-38 Harriet Street - Shadow Impacts against Gene Friend Recreation Center		
Park Area - Gene Friend Recreation Center	44,337.35	sq. ft.
Annual Available Sunlight (AAS) Factor	3,721.40	hrs. per sq. ft.
Annual Available Sunlight (AAS) Gene Friend Rec Center	164,997,014.29	sq. ft. hrs.

CADP Net New Shadow - Annual	731,481.14	sq. ft. hrs.
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Net New Shadow as % of AAS	0.44%	sq. ft. hrs.
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42-48 Harriet - Gene Friend Recreation Center (40ft Alternative)

Square Foot * Hour Computations
 produced by Solar ToolBox(tm) copyright 1985-2010
 under exclusive license to August CADD LLC
 process begun Wednesday, August 31 2010
 existing building set:
 proposed building set:
 target mesh or elevation:
 projection angle data
 park outline set:
 park area: 44337.3536

DayNum	Date	Time	Duration	ExSF	ExSFHr	NewSF	NewSFHr
172	21-Jun	6.78	0.11	31,936.90	3,513.99	0.00	0.00
172	21-Jun	7	0.23	31,224.43	7,181.62	0.00	0.00
172	21-Jun	7.25	0.25	29,777.94	7,444.48	0.00	0.00
172	21-Jun	7.5	0.25	28,012.32	7,003.08	0.00	0.00
172	21-Jun	7.75	0.25	26,557.92	6,639.48	0.00	0.00
172	21-Jun	8	0.25	25,075.83	6,268.46	0.00	0.00
172	21-Jun	8.25	0.25	23,822.60	5,955.65	0.00	0.00
172	21-Jun	8.5	0.25	22,790.34	5,697.59	0.00	0.00
172	21-Jun	8.75	0.25	21,922.07	5,480.52	0.00	0.00
172	21-Jun	9	0.25	21,227.25	5,306.81	0.00	0.00
172	21-Jun	9.25	0.25	20,585.84	5,146.46	0.00	0.00
172	21-Jun	9.5	0.25	20,043.01	5,010.75	0.00	0.00
172	21-Jun	9.75	0.25	19,553.26	4,868.32	0.00	0.00
172	21-Jun	10	0.25	19,119.44	4,779.86	0.00	0.00
172	21-Jun	10.25	0.25	18,721.01	4,680.25	0.00	0.00
172	21-Jun	10.5	0.25	18,375.97	4,593.99	0.00	0.00
172	21-Jun	10.75	0.25	18,048.32	4,512.08	0.00	0.00
172	21-Jun	11	0.25	17,744.04	4,436.01	0.00	0.00
172	21-Jun	11.25	0.25	17,449.56	4,362.39	0.00	0.00
172	21-Jun	11.5	0.25	17,187.62	4,296.91	0.00	0.00
172	21-Jun	11.75	0.25	16,923.78	4,230.87	0.00	0.00
172	21-Jun	12	0.25	16,695.66	4,173.92	0.00	0.00
172	21-Jun	12.25	0.25	16,475.44	4,118.86	0.00	0.00
172	21-Jun	12.5	0.25	16,456.79	4,114.20	0.00	0.00
172	21-Jun	12.75	0.25	16,452.69	4,113.17	0.00	0.00
172	21-Jun	13	0.25	16,447.95	4,111.99	0.00	0.00
172	21-Jun	13.25	0.25	16,443.52	4,110.88	0.00	0.00
172	21-Jun	13.5	0.25	16,438.15	4,109.54	0.00	0.00
172	21-Jun	13.75	0.25	16,433.62	4,108.91	0.00	0.00
172	21-Jun	14	0.25	16,430.25	4,107.56	0.00	0.00
172	21-Jun	14.25	0.25	16,439.10	4,109.78	0.00	0.00
172	21-Jun	14.5	0.25	16,604.67	4,151.17	0.00	0.00
172	21-Jun	14.75	0.25	16,729.53	4,182.13	0.00	0.00
172	21-Jun	15	0.25	16,829.80	4,232.45	0.00	0.00
172	21-Jun	15.25	0.25	17,075.14	4,268.79	0.00	0.00
172	21-Jun	15.5	0.25	17,252.08	4,313.02	0.00	0.00
172	21-Jun	15.75	0.25	17,455.88	4,363.97	0.00	0.00
172	21-Jun	16	0.25	17,703.28	4,425.82	0.00	0.00
172	21-Jun	16.25	0.25	17,930.15	4,482.54	0.00	0.00
172	21-Jun	16.5	0.25	18,228.42	4,557.10	0.00	0.00
172	21-Jun	16.75	0.25	18,529.85	4,632.46	0.00	0.00
172	21-Jun	17	0.25	18,836.65	4,709.16	0.00	0.00
172	21-Jun	17.25	0.25	19,228.77	4,807.19	0.00	0.00
172	21-Jun	17.5	0.25	19,769.12	4,942.03	0.00	0.00
172	21-Jun	17.75	0.25			34.76	8.69

172	21-Jun	18	0.25	22,171.57	5,215.57	196.85	49.21
172	21-Jun	18.25	0.25	22,171.57	5,215.57	410.12	102.53
172	21-Jun	18.5	0.25	22,335.07	5,234.07	654.68	163.67
172	21-Jun	18.75	0.25	22,500.17	5,252.57	946.00	236.50
172	21-Jun	19	0.25	22,665.17	5,271.07	1,324.85	331.21
172	21-Jun	19.25	0.3	22,831.81	5,289.57	1,776.36	532.91
172	21-Jun	19.6	0.18	22,235.07	5,215.57	2,444.32	439.98
179	28-Jun	6.81	0.1	31,919.24	3,191.92	0.00	0.00
179	28-Jun	7	0.22	31,317.96	6,889.95	0.00	0.00
179	28-Jun	7.25	0.25	29,980.16	7,495.04	0.00	0.00
179	28-Jun	7.5	0.25	28,180.73	7,045.18	0.00	0.00
179	28-Jun	7.75	0.25	26,697.90	6,674.47	0.00	0.00
179	28-Jun	8	0.25	25,229.60	6,307.40	0.00	0.00
179	28-Jun	8.25	0.25	23,938.56	5,984.64	0.00	0.00
179	28-Jun	8.5	0.25	22,898.72	5,724.68	0.00	0.00
179	28-Jun	8.75	0.25	21,991.26	5,497.82	0.00	0.00
179	28-Jun	9	0.25	21,284.76	5,321.19	0.00	0.00
179	28-Jun	9.25	0.25	20,640.51	5,160.13	0.00	0.00
179	28-Jun	9.5	0.25	20,101.47	5,025.37	0.00	0.00
179	28-Jun	9.75	0.25	19,592.44	4,898.11	0.00	0.00
179	28-Jun	10	0.25	19,170.00	4,792.50	0.00	0.00
179	28-Jun	10.25	0.25	18,751.97	4,687.99	0.00	0.00
179	28-Jun	10.5	0.25	18,336.83	4,599.21	0.00	0.00
179	28-Jun	10.75	0.25	17,924.42	4,513.11	0.00	0.00
179	28-Jun	11	0.25	17,515.57	4,438.14	0.00	0.00
179	28-Jun	11.25	0.25	17,110.93	4,363.73	0.00	0.00
179	28-Jun	11.5	0.25	16,708.79	4,302.20	0.00	0.00
179	28-Jun	11.75	0.25	16,310.22	4,235.06	0.00	0.00
179	28-Jun	12	0.25	16,715.83	4,179.21	0.00	0.00
179	28-Jun	12.25	0.25	16,481.44	4,120.36	0.00	0.00
179	28-Jun	12.5	0.25	16,455.85	4,113.96	0.00	0.00
179	28-Jun	12.75	0.25	16,452.69	4,113.17	0.00	0.00
179	28-Jun	13	0.25	16,449.21	4,112.30	0.00	0.00
179	28-Jun	13.25	0.25	16,443.52	4,110.88	0.00	0.00
179	28-Jun	13.5	0.25	16,438.42	4,109.85	0.00	0.00
179	28-Jun	13.75	0.25	16,435.62	4,108.91	0.00	0.00
179	28-Jun	14	0.25	16,431.20	4,107.80	0.00	0.00
179	28-Jun	14.25	0.25	16,428.47	4,109.62	0.00	0.00
179	28-Jun	14.5	0.25	16,558.54	4,139.63	0.00	0.00
179	28-Jun	14.75	0.25	16,722.21	4,180.55	0.00	0.00
179	28-Jun	15	0.25	16,877.03	4,219.26	0.00	0.00
179	28-Jun	15.25	0.25	17,066.29	4,266.57	0.00	0.00
179	28-Jun	15.5	0.25	17,229.65	4,307.41	0.00	0.00
179	28-Jun	15.75	0.25	17,433.76	4,358.44	0.00	0.00
179	28-Jun	16	0.25	17,689.70	4,422.42	0.00	0.00
179	28-Jun	16.25	0.25	17,921.93	4,480.48	0.00	0.00
179	28-Jun	16.5	0.25	18,195.56	4,548.89	0.00	0.00
179	28-Jun	16.75	0.25	18,484.03	4,621.01	0.00	0.00
179	28-Jun	17	0.25	18,808.22	4,702.05	0.00	0.00
179	28-Jun	17.25	0.25	19,212.02	4,803.01	0.00	0.00
179	28-Jun	17.5	0.25	19,700.82	4,925.21	0.00	0.00
179	28-Jun	17.75	0.25	20,322.34	5,069.09	34.12	8.53
179	28-Jun	18	0.25	21,130.66	5,287.54	202.85	50.71
179	28-Jun	18.25	0.25	21,036.07	5,274.07	402.23	100.56
179	28-Jun	18.5	0.25	20,941.23	5,260.31	652.79	163.20
179	28-Jun	18.75	0.25	20,858.08	5,246.50	947.90	236.97
179	28-Jun	19	0.25	20,772.14	5,232.33	1,328.01	332.00
179	28-Jun	19.25	0.3	20,736.57	5,231.00	1,777.31	533.19
179	28-Jun	19.61	0.18	20,277.45	5,230.00	2,432.63	437.87

186	5-Jul	6.87	0.06	1,828.88	1,909.73	0.00	0.00
186	5-Jul	7	0.19	1,439.29	5,973.48	0.00	0.00
186	5-Jul	7.25	0.25	3,239.5	7,559.81	0.00	0.00
186	5-Jul	7.5	0.25	8,407.98	7,100.48	0.00	0.00
186	5-Jul	7.75	0.25	26,857.46	6,714.37	0.00	0.00
186	5-Jul	8	0.25	25,386.95	6,146.74	0.00	0.00
186	5-Jul	8.25	0.25	24,068.4	6,017.11	0.00	0.00
186	5-Jul	8.5	0.25	23,711.7	5,742.77	0.00	0.00
186	5-Jul	8.75	0.25	23,411.3	5,520.89	0.00	0.00
186	5-Jul	9	0.25	23,160.06	5,336.51	0.00	0.00
186	5-Jul	9.25	0.25	22,960.63	5,170.16	0.00	0.00
186	5-Jul	9.5	0.25	20,117.26	5,029.32	0.00	0.00
186	5-Jul	9.75	0.25	19,640.79	4,910.20	0.00	0.00
186	5-Jul	10	0.25	19,174.42	4,793.61	0.00	0.00
186	5-Jul	10.25	0.25	18,781.99	4,695.51	0.00	0.00
186	5-Jul	10.5	0.25	18,411.99	4,603.00	0.00	0.00
186	5-Jul	10.75	0.25	18,056.85	4,514.21	0.00	0.00
186	5-Jul	11	0.25	17,764.26	4,441.87	0.00	0.00
186	5-Jul	11.25	0.25	17,480.53	4,370.13	0.00	0.00
186	5-Jul	11.5	0.25	17,211.59	4,303.5	0.00	0.00
186	5-Jul	11.75	0.25	16,942.75	4,235.69	0.00	0.00
186	5-Jul	12	0.25	16,743.06	4,185.76	0.00	0.00
186	5-Jul	12.25	0.25	16,470.78	4,117.67	0.00	0.00
186	5-Jul	12.5	0.25	16,455.53	4,113.88	0.00	0.00
186	5-Jul	12.75	0.25	16,452.05	4,113.81	0.00	0.00
186	5-Jul	13	0.25	16,439.21	4,112.30	0.00	0.00
186	5-Jul	13.25	0.25	16,445.4	4,111.31	0.00	0.00
186	5-Jul	13.5	0.25	16,440.68	4,110.17	0.00	0.00
186	5-Jul	13.75	0.25	16,435.62	4,108.91	0.00	0.00
186	5-Jul	14	0.25	16,431.20	4,107.80	0.00	0.00
186	5-Jul	14.25	0.25	16,436.26	4,109.06	0.00	0.00
186	5-Jul	14.5	0.25	16,550.64	4,137.66	0.00	0.00
186	5-Jul	14.75	0.25	16,691.24	4,172.81	0.00	0.00
186	5-Jul	15	0.25	16,859.65	4,214.91	0.00	0.00
186	5-Jul	15.25	0.25	17,020.16	4,256.04	0.00	0.00
186	5-Jul	15.5	0.25	17,211.32	4,302.83	0.00	0.00
186	5-Jul	15.75	0.25	17,407.75	4,350.94	0.00	0.00
186	5-Jul	16	0.25	17,616.08	4,411.52	0.00	0.00
186	5-Jul	16.25	0.25	17,870.43	4,467.61	0.00	0.00
186	5-Jul	16.5	0.25	18,143.11	4,535.78	0.00	0.00
186	5-Jul	16.75	0.25	18,442.01	4,610.50	0.00	0.00
186	5-Jul	17	0.25	18,747.55	4,686.89	0.00	0.00
186	5-Jul	17.25	0.25	19,168.73	4,792.18	0.00	0.00
186	5-Jul	17.5	0.25	19,676.81	4,919.20	0.00	0.00
186	5-Jul	17.75	0.25			59.72	14.93
186	5-Jul	18	0.25			235.71	58.93
186	5-Jul	18.25	0.25			444.25	111.06
186	5-Jul	18.5	0.25			701.76	175.44
186	5-Jul	18.75	0.25			993.71	248.43
186	5-Jul	19	0.25			1,388.67	347.17
186	5-Jul	19.25	0.3			1,854.09	556.23
186	5-Jul	19.6	0.18			2,461.38	443.05
193	12-Jul	6.94	0.03	31,673.16	950.34	0.00	0.00
193	12-Jul	7	0.15	11,656.51	4,733.48	0.00	0.00
193	12-Jul	7.25	0.25	30,494.87	7,623.72	0.00	0.00
193	12-Jul	7.5	0.25	28,698.28	7,174.57	0.00	0.00
193	12-Jul	7.75	0.25	27,023.66	6,777.91	0.00	0.00
193	12-Jul	8	0.25	25,552.83	6,388.21	0.00	0.00
193	12-Jul	8.25	0.25	24,191.34	6,047.83	0.00	0.00

193	12-Jul	8.5	0.25	23,093.67	5,773.42	0.00	0.00
193	12-Jul	8.75	0.25	22,140.71	5,535.18	0.00	0.00
193	12-Jul	9	0.25	21,381.13	5,345.28	0.00	0.00
193	12-Jul	9.25	0.25	20,728.66	5,182.15	0.00	0.00
193	12-Jul	9.5	0.25	20,169.08	5,042.27	0.00	0.00
193	12-Jul	9.75	0.25	19,658.17	4,914.54	0.00	0.00
193	12-Jul	10	0.25	19,202.54	4,800.64	0.00	0.00
193	12-Jul	10.25	0.25	18,794.20	4,696.05	0.00	0.00
193	12-Jul	10.5	0.25	18,410.41	4,602.60	0.00	0.00
193	12-Jul	10.75	0.25	18,087.50	4,521.87	0.00	0.00
193	12-Jul	11	0.25	17,753.52	4,438.38	0.00	0.00
193	12-Jul	11.25	0.25	17,467.57	4,366.89	0.00	0.00
193	12-Jul	11.5	0.25	17,201.84	4,300.46	0.00	0.00
193	12-Jul	11.75	0.25	16,934.85	4,233.71	0.00	0.00
193	12-Jul	12	0.25	16,703.88	4,177.47	0.00	0.00
193	12-Jul	12.25	0.25	16,471.33	4,117.83	0.00	0.00
193	12-Jul	12.5	0.25	16,459.64	4,114.91	0.00	0.00
193	12-Jul	12.75	0.25	16,454.90	4,113.72	0.00	0.00
193	12-Jul	13	0.25	16,451.74	4,112.93	0.00	0.00
193	12-Jul	13.25	0.25	16,445.74	4,111.43	0.00	0.00
193	12-Jul	13.5	0.25	16,442.26	4,110.55	0.00	0.00
193	12-Jul	13.75	0.25	16,436.89	4,109.22	0.00	0.00
193	12-Jul	14	0.25	16,432.15	4,108.04	0.00	0.00
193	12-Jul	14.25	0.25	16,428.94	4,107.48	0.00	0.00
193	12-Jul	14.5	0.25	16,511.14	4,127.79	0.00	0.00
193	12-Jul	14.75	0.25	16,650.17	4,162.54	0.00	0.00
193	12-Jul	15	0.25	16,814.78	4,203.70	0.00	0.00
193	12-Jul	15.25	0.25	16,993.62	4,248.41	0.00	0.00
193	12-Jul	15.5	0.25	17,186.04	4,296.51	0.00	0.00
193	12-Jul	15.75	0.25	17,366.78	4,341.69	0.00	0.00
193	12-Jul	16	0.25	17,636.28	4,401.57	0.00	0.00
193	12-Jul	16.25	0.25	17,836.62	4,459.15	0.00	0.00
193	12-Jul	16.5	0.25	18,114.99	4,528.75	0.00	0.00
193	12-Jul	16.75	0.25	18,406.94	4,601.73	0.00	0.00
193	12-Jul	17	0.25	18,720.38	4,680.09	0.00	0.00
193	12-Jul	17.25	0.25	19,120.71	4,780.18	0.00	0.00

193	12-Jul	17.5	0.25	19,685.80		1.26	0.32
193	12-Jul	17.75	0.25	20,292.75	2,298.47	123.54	30.89
193	12-Jul	18	0.25	21,119.87	3,104.82	309.02	77.25
193	12-Jul	18.25	0.25	22,121.80	3,555.40	541.57	135.39
193	12-Jul	18.5	0.25	23,472.23	4,882.03	805.40	201.35
193	12-Jul	18.75	0.25	24,901.91	6,225.73	1,127.68	281.92
193	12-Jul	19	0.25	26,795.72	8,698.43	1,562.14	390.53
193	12-Jul	19.25	0.28	29,597.84	12,237.57	2,013.65	563.82
193	12-Jul	19.56	0.15		5,086.33	2,571.02	385.65

200	19-Jul	7.02	0.13	31,467.41	4,090.75	0.00	0.00
200	19-Jul	7.27	0.24	30,572.28	7,337.35	0.00	0.00
200	19-Jul	7.5	0.24	28,995.29	6,958.87	0.00	0.00
200	19-Jul	7.75	0.25	27,202.81	6,800.70	0.00	0.00
200	19-Jul	8	0.25	25,725.67	6,431.42	0.00	0.00
200	19-Jul	8.25	0.25	24,317.41	6,079.35	0.00	0.00
200	19-Jul	8.5	0.25	23,164.76	5,791.19	0.00	0.00
200	19-Jul	8.75	0.25	22,203.91	5,550.98	0.00	0.00
200	19-Jul	9	0.25	21,408.62	5,352.15	0.00	0.00
200	19-Jul	9.25	0.25	20,738.45	5,184.61	0.00	0.00
200	19-Jul	9.5	0.25	20,175.40	5,042.85	0.00	0.00
200	19-Jul	9.75	0.25	19,621.83	4,905.46	0.00	0.00
200	19-Jul	10	0.25	19,171.89	4,782.97	0.00	0.00
200	19-Jul	10.25	0.25	18,757.35	4,689.34	0.00	0.00

200	19-Jul	10.5	0.25	18,387.66	4,536.92	0.00	0.00
200	19-Jul	10.75	0.25	18,043.89	4,510.97	0.00	0.00
200	19-Jul	11	0.25	17,731.40	4,432.85	0.00	0.00
200	19-Jul	11.25	0.25	17,435.66	4,358.91	0.00	0.00
200	19-Jul	11.5	0.25	17,169.30	4,292.32	0.00	0.00
200	19-Jul	11.75	0.25	16,936.30	4,224.08	0.00	0.00
200	19-Jul	12	0.25	16,731.34	4,167.83	0.00	0.00
200	19-Jul	12.25	0.25	16,567.54	4,116.83	0.00	0.00
200	19-Jul	12.5	0.25	16,461.22	4,115.30	0.00	0.00
200	19-Jul	12.75	0.25	16,456.79	4,114.20	0.00	0.00
200	19-Jul	13	0.25	16,451.74	4,112.93	0.00	0.00
200	19-Jul	13.25	0.25	16,445.74	4,111.43	0.00	0.00
200	19-Jul	13.5	0.25	16,442.58	4,110.64	0.00	0.00
200	19-Jul	13.75	0.25	16,437.52	4,109.38	0.00	0.00
200	19-Jul	14	0.25	16,433.73	4,108.43	0.00	0.00
200	19-Jul	14.25	0.25	16,431.20	4,107.80	0.00	0.00
200	19-Jul	14.5	0.25	16,463.11	4,115.78	0.00	0.00
200	19-Jul	14.75	0.25	16,502.45	4,150.61	0.00	0.00
200	19-Jul	15	0.25	16,779.40	4,194.65	0.00	0.00
200	19-Jul	15.25	0.25	16,955.71	4,238.93	0.00	0.00
200	19-Jul	15.5	0.25	17,107.05	4,276.76	0.00	0.00
200	19-Jul	15.75	0.25	17,322.54	4,330.64	0.00	0.00
200	19-Jul	16	0.25	17,524.75	4,381.99	0.00	0.00
200	19-Jul	16.25	0.25	17,811.97	4,462.99	0.00	0.00
200	19-Jul	16.5	0.25	18,060.32	4,515.06	0.00	0.00
200	19-Jul	16.75	0.25	18,348.17	4,587.04	0.00	0.00
200	19-Jul	17	0.25	18,693.84	4,673.40	0.00	0.00
200	19-Jul	17.25	0.25	19,153.25	4,788.31	0.00	0.00
200	19-Jul	17.5	0.25			47.39	11.85
200	19-Jul	17.75	0.25			226.86	56.72
200	19-Jul	18	0.25			436.03	109.01
200	19-Jul	18.25	0.25			684.38	171.10
200	19-Jul	18.5	0.25			974.12	243.53
200	19-Jul	18.75	0.25			1,340.01	335.00
200	19-Jul	19	0.25			1,791.85	447.96
200	19-Jul	19.25	0.25			2,272.43	568.11
200	19-Jul	19.5	0.13			2,708.78	352.14
207	26-Jul	7.12	0.06	31,240.86	1,874.45	0.00	0.00
207	26-Jul	7.25	0.19	30,785.87	5,849.32	0.00	0.00
207	26-Jul	7.5	0.25	29,312.84	7,328.21	0.00	0.00
207	26-Jul	7.75	0.25	27,426.83	6,856.71	0.00	0.00
207	26-Jul	8	0.25	25,920.62	6,480.15	0.00	0.00
207	26-Jul	8.25	0.25	24,431.14	6,100.28	0.00	0.00
207	26-Jul	8.5	0.25	23,227.32	5,806.83	0.00	0.00
207	26-Jul	8.75	0.25	22,244.67	5,561.17	0.00	0.00
207	26-Jul	9	0.25	21,427.58	5,396.89	0.00	0.00
207	26-Jul	9.25	0.25	20,724.87	5,181.22	0.00	0.00
207	26-Jul	9.5	0.25	20,156.13	5,039.03	0.00	0.00
207	26-Jul	9.75	0.25	19,609.50	4,903.88	0.00	0.00
207	26-Jul	10	0.25	19,139.66	4,784.92	0.00	0.00
207	26-Jul	10.25	0.25	18,728.28	4,682.07	0.00	0.00
207	26-Jul	10.5	0.25	18,336.48	4,584.12	0.00	0.00
207	26-Jul	10.75	0.25	17,997.13	4,499.28	0.00	0.00
207	26-Jul	11	0.25	17,667.58	4,416.89	0.00	0.00
207	26-Jul	11.25	0.25	17,368.04	4,342.81	0.00	0.00
207	26-Jul	11.5	0.25	17,091.25	4,272.83	0.00	0.00
207	26-Jul	11.75	0.25	16,847.01	4,211.75	0.00	0.00
207	26-Jul	12	0.25	16,592.98	4,148.24	0.00	0.00
207	26-Jul	12.25	0.25	16,454.58	4,113.65	0.00	0.00

207	26-Jul	12.5	0.25	16,464.38	4,116.09	0.00	0.00
207	26-Jul	12.75	0.25	16,460.27	4,115.07	0.00	0.00
207	26-Jul	13	0.25	16,453.32	4,113.33	0.00	0.00
207	26-Jul	13.25	0.25	16,447.95	4,111.99	0.00	0.00
207	26-Jul	13.5	0.25	16,444.47	4,111.12	0.00	0.00
207	26-Jul	13.75	0.25	16,439.42	4,109.85	0.00	0.00
207	26-Jul	14	0.25	16,433.73	4,108.43	0.00	0.00
207	26-Jul	14.25	0.25	16,431.83	4,107.96	0.00	0.00
207	26-Jul	14.5	0.25	16,431.52	4,107.88	0.00	0.00
207	26-Jul	14.75	0.25	16,555.69	4,138.92	0.00	0.00
207	26-Jul	15	0.25	16,742.43	4,185.61	0.00	0.00
207	26-Jul	15.25	0.25	16,893.14	4,223.20	0.00	0.00
207	26-Jul	15.5	0.25	17,082.83	4,273.21	0.00	0.00
207	26-Jul	15.75	0.25	17,281.78	4,320.45	0.00	0.00
207	26-Jul	16	0.25	17,518.13	4,379.53	0.00	0.00
207	26-Jul	16.25	0.25	17,761.10	4,447.28	0.00	0.00
207	26-Jul	16.5	0.25	18,040.73	4,510.18	0.00	0.00
207	26-Jul	16.75	0.25	18,385.20	4,576.30	0.00	0.00
207	26-Jul	17	0.25	18,712.16	4,678.04	0.00	0.00
207	26-Jul	17.25	0.25	19,127.11	4,805.51	22.75	5.69
207	26-Jul	17.5	0.25	19,585.31	4,971.31	158.62	39.65
207	26-Jul	17.75	0.25	20,118.44	5,179.71	371.58	92.89
207	26-Jul	18	0.25	21,597.71	5,524.13	598.76	149.69
207	26-Jul	18.25	0.25	23,522.01	5,928.71	878.70	219.68
207	26-Jul	18.5	0.25	24,840.41	6,385.13	1,208.26	302.06
207	26-Jul	18.75	0.25	26,000.73	6,900.08	1,624.07	406.02
207	26-Jul	19	0.25	26,330.09	7,082.01	2,112.87	528.22
207	26-Jul	19.25	0.21	27,168.45	7,375.96	2,608.30	547.74
207	26-Jul	19.42	0.09	26,475.95		2,874.66	258.72
214	2-Aug	7.21	0.02	30,974.19	619.48	0.00	0.00
214	2-Aug	7.25	0.15	30,815.57	4,522.34	0.00	0.00
214	2-Aug	7.5	0.25	29,604.16	7,401.04	0.00	0.00
214	2-Aug	7.75	0.25	27,609.14	6,902.29	0.00	0.00
214	2-Aug	8	0.25	26,006.25	6,501.56	0.00	0.00
214	2-Aug	8.25	0.25	24,488.98	6,122.24	0.00	0.00
214	2-Aug	8.5	0.25	23,252.28	5,813.07	0.00	0.00
214	2-Aug	8.75	0.25	22,218.44	5,554.61	0.00	0.00
214	2-Aug	9	0.25	21,415.57	5,353.89	0.00	0.00
214	2-Aug	9.25	0.25	20,711.60	5,177.90	0.00	0.00
214	2-Aug	9.5	0.25	20,100.52	5,025.13	0.00	0.00
214	2-Aug	9.75	0.25	19,560.53	4,890.13	0.00	0.00
214	2-Aug	10	0.25	19,086.58	4,771.65	0.00	0.00
214	2-Aug	10.25	0.25	18,644.55	4,661.14	0.00	0.00
214	2-Aug	10.5	0.25	18,259.38	4,564.85	0.00	0.00
214	2-Aug	10.75	0.25	17,930.15	4,482.54	0.00	0.00
214	2-Aug	11	0.25	17,610.70	4,402.68	0.00	0.00
214	2-Aug	11.25	0.25	17,285.89	4,321.47	0.00	0.00
214	2-Aug	11.5	0.25	17,020.79	4,255.29	0.00	0.00
214	2-Aug	11.75	0.25	16,748.75	4,187.19	0.00	0.00
214	2-Aug	12	0.25	16,540.21	4,135.05	0.00	0.00
214	2-Aug	12.25	0.25	16,471.33	4,117.83	0.00	0.00
214	2-Aug	12.5	0.25	16,465.64	4,116.41	0.00	0.00
214	2-Aug	12.75	0.25	16,462.17	4,115.54	0.00	0.00
214	2-Aug	13	0.25	16,455.21	4,113.80	0.00	0.00
214	2-Aug	13.25	0.25	16,450.16	4,112.54	0.00	0.00
214	2-Aug	13.5	0.25	16,445.74	4,111.43	0.00	0.00
214	2-Aug	13.75	0.25	16,440.63	4,110.17	0.00	0.00
214	2-Aug	14	0.25	16,435.31	4,108.83	0.00	0.00
214	2-Aug	14.25	0.25	16,431.20	4,107.60	0.00	0.00

214	2-Aug	14.5	0.25	16,432.46	4,108.12	0.00	0.00
214	2-Aug	14.75	0.25	16,532.94	4,133.24	0.00	0.00
214	2-Aug	15	0.25	16,675.13	4,168.78	0.00	0.00
214	2-Aug	15.25	0.25	16,851.12	4,212.78	0.00	0.00
214	2-Aug	15.5	0.25	17,032.43	4,258.12	0.00	0.00
214	2-Aug	15.75	0.25	17,226.80	4,306.70	0.00	0.00
214	2-Aug	16	0.25	17,446.08	4,361.52	0.00	0.00
214	2-Aug	16.25	0.25	17,704.23	4,426.06	0.00	0.00
214	2-Aug	16.5	0.25	17,966.17	4,491.54	0.00	0.00
214	2-Aug	16.75	0.25	18,326.36	4,580.09	0.00	0.00
214	2-Aug	17	0.25	18,800.00	4,700.00	4.11	1.03
214	2-Aug	17.25	0.25	19,270.00	4,857.80	122.91	30.73
214	2-Aug	17.5	0.25	19,820.00	5,043.00	298.90	74.73
214	2-Aug	17.75	0.25	20,450.00	5,270.00	522.61	130.65
214	2-Aug	18	0.25	21,160.00	5,540.00	827.83	206.96
214	2-Aug	18.25	0.25	21,950.00	5,850.00	1,149.80	287.45
214	2-Aug	18.5	0.25	22,820.00	6,200.00	1,524.54	381.13
214	2-Aug	18.75	0.25	23,770.00	6,590.00	1,983.95	495.99
214	2-Aug	19	0.25	24,800.00	7,020.00	2,480.34	620.08
214	2-Aug	19.25	0.15	25,910.00	7,490.00	2,969.77	445.47
214	2-Aug	19.31	0.03	26,000.00	7,500.00	3,026.01	90.78
221	9-Aug	7.32	0.09	30,601.03	2,754.83	0.00	0.00
221	9-Aug	7.5	0.21	29,821.86	6,262.59	0.00	0.00
221	9-Aug	7.75	0.25	27,839.48	6,959.87	0.00	0.00
221	9-Aug	8	0.25	26,050.48	6,512.52	0.00	0.00
221	9-Aug	8.25	0.25	24,536.37	6,134.09	0.00	0.00
221	9-Aug	8.5	0.25	23,259.55	5,814.99	0.00	0.00
221	9-Aug	8.75	0.25	22,230.76	5,557.69	0.00	0.00
221	9-Aug	9	0.25	21,377.65	5,344.41	0.00	0.00
221	9-Aug	9.25	0.25	20,664.20	5,166.06	0.00	0.00
221	9-Aug	9.5	0.25	20,033.53	5,008.38	0.00	0.00
221	9-Aug	9.75	0.25	19,490.70	4,872.68	0.00	0.00
221	9-Aug	10	0.25	18,998.74	4,749.69	0.00	0.00
221	9-Aug	10.25	0.25	18,550.70	4,637.68	0.00	0.00
221	9-Aug	10.5	0.25	18,194.39	4,548.57	0.00	0.00
221	9-Aug	10.75	0.25	17,821.45	4,455.36	0.00	0.00
221	9-Aug	11	0.25	17,505.80	4,376.45	0.00	0.00
221	9-Aug	11.25	0.25	17,205.00	4,301.25	0.00	0.00
221	9-Aug	11.5	0.25	16,933.90	4,233.48	0.00	0.00
221	9-Aug	11.75	0.25	16,665.02	4,166.25	0.00	0.00
221	9-Aug	12	0.25	16,481.12	4,120.28	0.00	0.00
221	9-Aug	12.25	0.25	16,475.44	4,118.86	0.00	0.00
221	9-Aug	12.5	0.25	16,468.17	4,117.04	0.00	0.00
221	9-Aug	12.75	0.25	16,463.43	4,115.85	0.00	0.00
221	9-Aug	13	0.25	16,456.79	4,114.70	0.00	0.00
221	9-Aug	13.25	0.25	16,451.74	4,112.99	0.00	0.00
221	9-Aug	13.5	0.25	16,444.47	4,111.12	0.00	0.00
221	9-Aug	13.75	0.25	16,442.26	4,110.56	0.00	0.00
221	9-Aug	14	0.25	16,437.20	4,109.30	0.00	0.00
221	9-Aug	14.25	0.25	16,432.46	4,108.12	0.00	0.00
221	9-Aug	14.5	0.25	16,428.99	4,107.25	0.00	0.00
221	9-Aug	14.75	0.25	16,448.90	4,112.22	0.00	0.00
221	9-Aug	15	0.25	16,624.57	4,156.14	0.00	0.00
221	9-Aug	15.25	0.25	16,807.83	4,201.96	0.00	0.00
221	9-Aug	15.5	0.25	16,978.56	4,244.14	0.00	0.00
221	9-Aug	15.75	0.25	17,181.62	4,295.41	0.00	0.00
221	9-Aug	16	0.25	17,417.65	4,354.41	0.00	0.00
221	9-Aug	16.25	0.25	17,664.73	4,416.18	0.00	0.00
221	9-Aug	16.5	0.25	18,001.24	4,500.31	0.00	0.00

221	9-Aug	16.75	0.25	18,445.11	4,911.73	4.11	1.03
221	9-Aug	17	0.25	18,721.11	4,739.23	102.69	25.67
221	9-Aug	17.25	0.25	18,458.81	4,933.83	256.25	64.06
221	9-Aug	17.5	0.25	18,423.45	4,157.38	454.99	113.75
221	9-Aug	17.75	0.25	21,321.8	5,115.24	718.51	179.63
221	9-Aug	18	0.25	21,197.77	5,734.53	1,061.96	265.49
221	9-Aug	18.25	0.25	21,431.61	6,101.59	1,475.56	368.89
221	9-Aug	18.5	0.25	26,157.04	6,548.01	1,922.02	480.51
221	9-Aug	18.75	0.34	28,032.24	8,734.98	2,441.16	829.99
221	9-Aug	19.18	0.21	36,945.01	7,258.81	3,222.23	676.67
228	16-Aug	7.42	0.04	30,219.66	1,208.79	0.00	0.00
228	16-Aug	7.5	0.17	29,928.97	5,087.92	0.00	0.00
228	16-Aug	7.75	0.25	28,077.72	7,019.43	0.00	0.00
228	16-Aug	8	0.25	26,135.48	6,533.87	0.00	0.00
228	16-Aug	8.25	0.25	24,552.49	6,138.12	0.00	0.00
228	16-Aug	8.5	0.25	23,256.39	5,814.16	0.00	0.00
228	16-Aug	8.75	0.25	22,173.26	5,543.31	0.00	0.00
228	16-Aug	9	0.25	21,308.46	5,327.11	0.00	0.00
228	16-Aug	9.25	0.25	20,564.36	5,141.09	0.00	0.00
228	16-Aug	9.5	0.25	19,940.96	4,985.24	0.00	0.00
228	16-Aug	9.75	0.25	19,380.43	4,845.11	0.00	0.00
228	16-Aug	10	0.25	18,878.36	4,719.59	0.00	0.00
228	16-Aug	10.25	0.25	18,453.39	4,613.35	0.00	0.00
228	16-Aug	10.5	0.25	18,076.75	4,517.69	0.00	0.00
228	16-Aug	10.75	0.25	17,728.87	4,432.22	0.00	0.00
228	16-Aug	11	0.25	17,401.53	4,350.38	0.00	0.00
228	16-Aug	11.25	0.25	17,088.41	4,272.10	0.00	0.00
228	16-Aug	11.5	0.25	16,839.43	4,209.86	0.00	0.00
228	16-Aug	11.75	0.25	16,553.48	4,138.37	0.00	0.00
228	16-Aug	12	0.25	16,483.02	4,120.75	0.00	0.00
228	16-Aug	12.25	0.25	16,476.07	4,119.02	0.00	0.00
228	16-Aug	12.5	0.25	16,470.06	4,117.52	0.00	0.00
228	16-Aug	12.75	0.25	16,465.33	4,116.33	0.00	0.00
228	16-Aug	13	0.25	16,458.06	4,114.51	0.00	0.00
228	16-Aug	13.25	0.25	16,453.32	4,113.33	0.00	0.00
228	16-Aug	13.5	0.25	16,446.37	4,111.59	0.00	0.00
228	16-Aug	13.75	0.25	16,443.84	4,110.90	0.00	0.00
228	16-Aug	14	0.25	16,438.78	4,109.70	0.00	0.00
228	16-Aug	14.25	0.25	16,434.68	4,108.67	0.00	0.00
228	16-Aug	14.5	0.25	16,430.25	4,107.56	0.00	0.00
228	16-Aug	14.75	0.25	16,430.57	4,107.64	0.00	0.00
228	16-Aug	15	0.25	16,571.17	4,142.73	0.00	0.00
228	16-Aug	15.25	0.25	16,749.06	4,187.27	0.00	0.00
228	16-Aug	15.5	0.25	16,935.80	4,233.95	0.00	0.00
228	16-Aug	15.75	0.25	17,127.59	4,281.90	0.00	0.00
228	16-Aug	16	0.25	17,364.88	4,341.22	0.00	0.00
228	16-Aug	16.25	0.25	17,680.22	4,420.05	0.00	0.00
228	16-Aug	16.5	0.25	18,111.8	4,547.95	5.06	1.26
228	16-Aug	16.75	0.25	18,700.47	4,676.12	86.89	21.72
228	16-Aug	17	0.25	19,187.94	4,853.48	218.65	54.66
228	16-Aug	17.25	0.25	20,767.71	5,094.48	400.01	100.00
228	16-Aug	17.5	0.25	21,751.90	5,312.91	632.88	158.22
228	16-Aug	17.75	0.25	23,571.41	5,630.35	925.47	231.37
228	16-Aug	18	0.25	25,151.51	5,987.91	1,347.28	336.82
228	16-Aug	18.25	0.25	25,538.51	6,393.71	1,843.98	460.99
228	16-Aug	18.5	0.25	25,816.71	6,954.18	2,384.28	596.07
228	16-Aug	18.75	0.27	27,066.61	7,374.91	2,895.52	781.79
228	16-Aug	19.04	0.14	27,933.11	8,184.81	3,015.58	422.18
235	23-Aug	7.53	0.11	29,789.94	3,276.89	0.00	0.00

235	23-Aug	7.75	0.23	28,315.96	6,512.67	0.00	0.00
235	23-Aug	8	0.25	26,190.14	6,547.53	0.00	0.00
235	23-Aug	8.25	0.25	24,532.26	6,133.07	0.00	0.00
235	23-Aug	8.5	0.25	23,164.76	5,791.19	0.00	0.00
235	23-Aug	8.75	0.25	22,087.32	5,521.83	0.00	0.00
235	23-Aug	9	0.25	21,205.77	5,301.44	0.00	0.00
235	23-Aug	9.25	0.25	20,467.93	5,117.80	0.00	0.00
235	23-Aug	9.5	0.25	19,810.78	4,952.69	0.00	0.00
235	23-Aug	9.75	0.25	19,255.94	4,813.99	0.00	0.00
235	23-Aug	10	0.25	18,749.15	4,687.35	0.00	0.00
235	23-Aug	10.25	0.25	18,328.58	4,582.14	0.00	0.00
235	23-Aug	10.5	0.25	17,925.09	4,481.27	0.00	0.00
235	23-Aug	10.75	0.25	17,573.42	4,383.35	0.00	0.00
235	23-Aug	11	0.25	17,264.61	4,313.65	0.00	0.00
235	23-Aug	11.25	0.25	16,951.91	4,237.98	0.00	0.00
235	23-Aug	11.5	0.25	16,676.71	4,169.18	0.00	0.00
235	23-Aug	11.75	0.25	16,439.65	4,122.41	0.00	0.00
235	23-Aug	12	0.25	16,485.55	4,121.39	0.00	0.00
235	23-Aug	12.25	0.25	16,477.93	4,119.33	0.00	0.00
235	23-Aug	12.5	0.25	16,471.33	4,117.87	0.00	0.00
235	23-Aug	12.75	0.25	16,465.96	4,116.43	0.00	0.00
235	23-Aug	13	0.25	16,459.01	4,114.74	0.00	0.00
235	23-Aug	13.25	0.25	16,454.58	4,113.65	0.00	0.00
235	23-Aug	13.5	0.25	16,447.32	4,111.83	0.00	0.00
235	23-Aug	13.75	0.25	16,442.36	4,110.56	0.00	0.00
235	23-Aug	14	0.25	16,437.52	4,109.38	0.00	0.00
235	23-Aug	14.25	0.25	16,434.04	4,108.51	0.00	0.00
235	23-Aug	14.5	0.25	16,431.20	4,107.80	0.00	0.00
235	23-Aug	14.75	0.25	16,428.99	4,107.25	0.00	0.00
235	23-Aug	15	0.25	16,511.14	4,127.79	0.00	0.00
235	23-Aug	15.25	0.25	16,687.77	4,171.94	0.00	0.00
235	23-Aug	15.5	0.25	16,887.46	4,221.86	0.00	0.00
235	23-Aug	15.75	0.25	17,083.36	4,270.84	0.00	0.00
235	23-Aug	16	0.25	17,400.59	4,350.15	0.00	0.00

235	23-Aug	16.25	0.25			9.79	2.45
235	23-Aug	16.5	0.25			83.73	20.93
235	23-Aug	16.75	0.25			197.48	49.37
235	23-Aug	17	0.25			348.83	87.21
235	23-Aug	17.25	0.25			552.31	138.08
235	23-Aug	17.5	0.25			823.09	205.77
235	23-Aug	17.75	0.25			1,170.02	292.51
235	23-Aug	18	0.25			1,638.60	409.65
235	23-Aug	18.25	0.25			2,251.58	562.89
235	23-Aug	18.5	0.25			2,794.09	698.52
235	23-Aug	18.75	0.19			2,716.05	516.05
235	23-Aug	18.88	0.06			2,206.08	132.36

242	30-Aug	7.63	0.06	29,278.39	1,756.70	0.00	0.00
242	30-Aug	7.75	0.19	28,464.15	5,408.19	0.00	0.00
242	30-Aug	8	0.25	26,231.24	6,557.80	0.00	0.00
242	30-Aug	8.25	0.25	24,453.59	6,113.40	0.00	0.00
242	30-Aug	8.5	0.25	23,087.03	5,771.76	0.00	0.00
242	30-Aug	8.75	0.25	21,974.20	5,493.55	0.00	0.00
242	30-Aug	9	0.25	21,069.27	5,267.32	0.00	0.00
242	30-Aug	9.25	0.25	20,309.69	5,077.47	0.00	0.00
242	30-Aug	9.5	0.25	19,657.85	4,914.46	0.00	0.00
242	30-Aug	9.75	0.25	19,103.01	4,775.75	0.00	0.00
242	30-Aug	10	0.25	18,606.95	4,651.74	0.00	0.00
242	30-Aug	10.25	0.25	18,150.69	4,537.67	0.00	0.00
242	30-Aug	10.5	0.25	17,792.38	4,448.10	0.00	0.00

242	30-Aug	10.75	0.25	17,416.38	4,354.10	0.00	0.00
242	30-Aug	11	0.25	17,110.84	4,277.71	0.00	0.00
242	30-Aug	11.25	0.25	16,805.31	4,201.33	0.00	0.00
242	30-Aug	11.5	0.25	16,538.00	4,134.50	0.00	0.00
242	30-Aug	11.75	0.25	16,497.87	4,124.47	0.00	0.00
242	30-Aug	12	0.25	16,489.02	4,122.26	0.00	0.00
242	30-Aug	12.25	0.25	16,481.12	4,120.28	0.00	0.00
242	30-Aug	12.5	0.25	16,472.28	4,118.07	0.00	0.00
242	30-Aug	12.75	0.25	16,465.64	4,116.41	0.00	0.00
242	30-Aug	13	0.25	16,457.74	4,114.44	0.00	0.00
242	30-Aug	13.25	0.25	16,456.79	4,114.20	0.00	0.00
242	30-Aug	13.5	0.25	16,448.90	4,112.22	0.00	0.00
242	30-Aug	13.75	0.25	16,443.52	4,110.88	0.00	0.00
242	30-Aug	14	0.25	16,438.78	4,109.70	0.00	0.00
242	30-Aug	14.25	0.25	16,434.99	4,108.75	0.00	0.00
242	30-Aug	14.5	0.25	16,432.15	4,108.04	0.00	0.00
242	30-Aug	14.75	0.25	16,429.94	4,107.48	0.00	0.00
242	30-Aug	15	0.25	16,444.79	4,111.20	0.00	0.00
242	30-Aug	15.25	0.25	16,631.21	4,157.80	0.00	0.00
242	30-Aug	15.5	0.25	16,841.95	4,210.49	0.00	0.00
242	30-Aug	15.75	0.25	17,146.13	4,286.56	0.00	0.00
242	30-Aug	16	0.25			10.11	2.53
242	30-Aug	16.25	0.25			74.57	18.64
242	30-Aug	16.5	0.25			174.73	43.68
242	30-Aug	16.75	0.25			308.70	77.17
242	30-Aug	17	0.25			482.16	120.54
242	30-Aug	17.25	0.25			721.98	180.50
242	30-Aug	17.5	0.25			1,034.16	258.54
242	30-Aug	17.75	0.25			1,447.44	361.86
242	30-Aug	18	0.25			2,016.18	504.05
242	30-Aug	18.25	0.25			2,501.19	625.30
242	30-Aug	18.5	0.23			2,205.45	507.25
242	30-Aug	18.71	0.11			1,294.83	142.43
249	6-Sep	7.74	0.13	28,685.64	3,729.13	0.00	0.00
249	6-Sep	8	0.25	26,270.08	6,567.57	0.00	0.00
249	6-Sep	8.25	0.25	24,349.32	6,087.33	0.00	0.00
249	6-Sep	8.5	0.25	22,944.85	5,736.21	0.00	0.00
249	6-Sep	8.75	0.25	21,819.69	5,454.93	0.00	0.00
249	6-Sep	9	0.25	20,912.24	5,228.06	0.00	0.00
249	6-Sep	9.25	0.25	20,174.14	5,043.53	0.00	0.00
249	6-Sep	9.5	0.25	19,492.28	4,873.07	0.00	0.00
249	6-Sep	9.75	0.25	18,935.55	4,733.89	0.00	0.00
249	6-Sep	10	0.25	18,436.96	4,609.24	0.00	0.00
249	6-Sep	10.25	0.25	17,999.66	4,493.91	0.00	0.00
249	6-Sep	10.5	0.25	17,615.87	4,404.97	0.00	0.00
249	6-Sep	10.75	0.25	17,237.55	4,309.39	0.00	0.00
249	6-Sep	11	0.25	16,943.70	4,235.92	0.00	0.00
249	6-Sep	11.25	0.25	16,640.69	4,160.17	0.00	0.00
249	6-Sep	11.5	0.25	16,510.82	4,127.71	0.00	0.00
249	6-Sep	11.75	0.25	16,499.45	4,124.86	0.00	0.00
249	6-Sep	12	0.25	16,488.39	4,122.10	0.00	0.00
249	6-Sep	12.25	0.25	16,480.18	4,120.04	0.00	0.00
249	6-Sep	12.5	0.25	16,472.28	4,118.07	0.00	0.00
249	6-Sep	12.75	0.25	16,465.96	4,116.49	0.00	0.00
249	6-Sep	13	0.25	16,458.37	4,114.59	0.00	0.00
249	6-Sep	13.25	0.25	16,453.00	4,113.25	0.00	0.00
249	6-Sep	13.5	0.25	16,447.32	4,111.83	0.00	0.00
249	6-Sep	13.75	0.25	16,442.26	4,110.56	0.00	0.00
249	6-Sep	14	0.25	16,438.47	4,109.67	0.00	0.00

249	6-Sep	14.25	0.25	16,434.99	4,108.75	0.00	0.00
249	6-Sep	14.5	0.25	16,432.46	4,108.12	0.00	0.00
249	6-Sep	14.75	0.25	16,430.25	4,107.56	0.00	0.00
249	6-Sep	15	0.25	16,430.25	4,107.56	0.00	0.00
249	6-Sep	15.25	0.25	16,592.98	4,148.24	0.00	0.00
249	6-Sep	15.5	0.25	16,918.74	4,229.68	0.00	0.00
249	6-Sep	15.75	0.25			16.75	4.19
249	6-Sep	16	0.25			63.19	15.80
249	6-Sep	16.25	0.25			146.29	36.57
249	6-Sep	16.5	0.25			260.99	65.25
249	6-Sep	16.75	0.25			416.76	104.19
249	6-Sep	17	0.25			622.45	155.61
249	6-Sep	17.25	0.25			889.76	222.44
249	6-Sep	17.5	0.25			1,268.29	317.07
249	6-Sep	17.75	0.25			1,769.41	442.35
249	6-Sep	18	0.25			2,252.21	563.05
249	6-Sep	18.25	0.27			1,868.63	504.53
249	6-Sep	18.53	0.14			367.78	51.49
256	13-Sep	7.84	0.08	27,884.04	2,230.72	0.00	0.00
256	13-Sep	8	0.21	26,365.18	5,536.89	0.00	0.00
256	13-Sep	8.25	0.25	24,223.56	6,055.89	0.00	0.00
256	13-Sep	8.5	0.25	22,770.75	5,692.69	0.00	0.00
256	13-Sep	8.75	0.25	21,628.53	5,407.13	0.00	0.00
256	13-Sep	9	0.25	20,745.81	5,186.39	0.00	0.00
256	13-Sep	9.25	0.25	19,942.54	4,985.63	0.00	0.00
256	13-Sep	9.5	0.25	19,315.97	4,828.99	0.00	0.00
256	13-Sep	9.75	0.25	18,722.99	4,680.65	0.00	0.00
256	13-Sep	10	0.25	18,257.49	4,564.37	0.00	0.00
256	13-Sep	10.25	0.25	17,811.34	4,452.84	0.00	0.00
256	13-Sep	10.5	0.25	17,435.97	4,358.99	0.00	0.00
256	13-Sep	10.75	0.25	17,082.72	4,270.68	0.00	0.00
256	13-Sep	11	0.25	16,792.35	4,198.09	0.00	0.00
256	13-Sep	11.25	0.25	16,523.78	4,130.94	0.00	0.00
256	13-Sep	11.5	0.25	16,513.35	4,128.34	0.00	0.00
256	13-Sep	11.75	0.25	16,300.40	4,125.10	0.00	0.00
256	13-Sep	12	0.25	16,490.60	4,122.65	0.00	0.00
256	13-Sep	12.25	0.25	16,481.12	4,120.28	0.00	0.00
256	13-Sep	12.5	0.25	16,473.22	4,118.31	0.00	0.00
256	13-Sep	12.75	0.25	16,466.27	4,116.57	0.00	0.00
256	13-Sep	13	0.25	16,459.32	4,114.83	0.00	0.00
256	13-Sep	13.25	0.25	16,452.63	4,113.41	0.00	0.00
256	13-Sep	13.5	0.25	16,448.26	4,112.07	0.00	0.00
256	13-Sep	13.75	0.25	16,443.52	4,110.88	0.00	0.00
256	13-Sep	14	0.25	16,439.73	4,109.93	0.00	0.00
256	13-Sep	14.25	0.25	16,437.84	4,109.46	0.00	0.00
256	13-Sep	14.5	0.25	16,433.41	4,108.35	0.00	0.00
256	13-Sep	14.75	0.25	16,431.20	4,107.80	0.00	0.00
256	13-Sep	15	0.25	16,473.86	4,118.46	0.00	0.00
256	13-Sep	15.25	0.25	16,733.90	4,183.47	0.00	0.00
256	13-Sep	15.5	0.25	17,257.14	4,319.13	9.16	2.29
256	13-Sep	15.75	0.25	17,952.44	4,484.41	49.61	12.40
256	13-Sep	16	0.25	18,736.23	4,684.01	115.33	28.83
256	13-Sep	16.25	0.25	19,723.24	4,912.01	212.01	53.00
256	13-Sep	16.5	0.25	20,718.00	5,162.81	342.51	85.63
256	13-Sep	16.75	0.25	21,823.01	5,435.71	533.04	133.26
256	13-Sep	17	0.25	23,057.50	5,747.41	769.06	192.27
256	13-Sep	17.25	0.25	24,456.00	6,105.41	1,076.50	269.12
256	13-Sep	17.5	0.25	27,057.53	6,753.51	1,509.37	377.34
256	13-Sep	17.75	0.25	28,011.53	7,050.01	2,043.99	511.00

256	13-Sep	18	0.25	25,775.46	6,134.1	1,763.41	440.85
256	13-Sep	18.25	0.18	27,254.43	6,382.54	480.90	86.56
256	13-Sep	18.35	0.05	28,810.47		61.61	3.08
263	20-Sep	7.95	0.02	26,935.19	538.70	0.00	0.00
263	20-Sep	8	0.15	26,403.42	3,960.51	0.00	0.00
263	20-Sep	8.25	0.25	24,037.38	6,021.85	0.00	0.00
263	20-Sep	8.5	0.25	22,536.62	5,634.15	0.00	0.00
263	20-Sep	8.75	0.25	21,389.98	5,347.49	0.00	0.00
263	20-Sep	9	0.25	20,513.80	5,128.45	0.00	0.00
263	20-Sep	9.25	0.25	19,743.79	4,935.95	0.00	0.00
263	20-Sep	9.5	0.25	19,108.38	4,777.10	0.00	0.00
263	20-Sep	9.75	0.25	18,521.32	4,630.33	0.00	0.00
263	20-Sep	10	0.25	18,039.79	4,509.95	0.00	0.00
263	20-Sep	10.25	0.25	17,618.60	4,404.65	0.00	0.00
263	20-Sep	10.5	0.25	17,231.86	4,307.96	0.00	0.00
263	20-Sep	10.75	0.25	16,995.78	4,226.45	0.00	0.00
263	20-Sep	11	0.25	16,597.72	4,149.43	0.00	0.00
263	20-Sep	11.25	0.25	16,530.41	4,132.60	0.00	0.00
263	20-Sep	11.5	0.25	16,514.52	4,128.65	0.00	0.00
263	20-Sep	11.75	0.25	16,504.82	4,126.21	0.00	0.00
263	20-Sep	12	0.25	16,490.29	4,122.57	0.00	0.00
263	20-Sep	12.25	0.25	16,481.44	4,120.36	0.00	0.00
263	20-Sep	12.5	0.25	16,474.17	4,118.54	0.00	0.00
263	20-Sep	12.75	0.25	16,466.27	4,116.57	0.00	0.00
263	20-Sep	13	0.25	16,459.64	4,114.91	0.00	0.00
263	20-Sep	13.25	0.25	16,453.63	4,113.41	0.00	0.00
263	20-Sep	13.5	0.25	16,447.00	4,111.75	0.00	0.00
263	20-Sep	13.75	0.25	16,442.89	4,110.72	0.00	0.00
263	20-Sep	14	0.25	16,439.73	4,109.93	0.00	0.00
263	20-Sep	14.25	0.25	16,437.84	4,109.45	0.00	0.00
263	20-Sep	14.5	0.25	16,433.41	4,108.35	0.00	0.00
263	20-Sep	14.75	0.25	16,501.35	4,125.34	0.00	0.00
263	20-Sep	15	0.25	16,714.94	4,178.73	0.00	0.00
263	20-Sep	15.25	0.25	17,146.85	4,285.72	0.00	0.00
263	20-Sep	15.5	0.25	17,835.3	4,641.25	20.22	5.06
263	20-Sep	15.75	0.25	18,662.34	4,865.02	78.04	19.51
263	20-Sep	16	0.25	19,581.80	4,890.75	157.04	39.26
263	20-Sep	16.25	0.25	20,713.01	5,187.24	273.94	68.49
263	20-Sep	16.5	0.25	21,973.25	5,494.82	424.97	106.24
263	20-Sep	16.75	0.25	23,394.28	5,841.82	634.78	158.69
263	20-Sep	17	0.25	24,993.7	6,218.2	917.25	229.31
263	20-Sep	17.25	0.25	26,778.43	6,607.11	1,299.25	324.81
263	20-Sep	17.5	0.25	28,763.31	7,015.25	1,815.23	453.81
263	20-Sep	17.75	0.25	30,964.22	7,456.22	1,847.14	461.78
263	20-Sep	18	0.21			740.63	155.53
263	20-Sep	18.16	0.08			29.38	2.35
270	27-Sep	8.05	0.1	25,854.69	2,586.47	0.00	0.00
270	27-Sep	8.25	0.22	23,941.41	5,267.11	0.00	0.00
270	27-Sep	8.5	0.25	22,262.99	5,565.75	0.00	0.00
270	27-Sep	8.75	0.25	21,080.65	5,270.16	0.00	0.00
270	27-Sep	9	0.25	20,219.64	5,054.91	0.00	0.00
270	27-Sep	9.25	0.25	19,502.39	4,875.60	0.00	0.00
270	27-Sep	9.5	0.25	18,877.73	4,719.43	0.00	0.00
270	27-Sep	9.75	0.25	18,321.31	4,580.33	0.00	0.00
270	27-Sep	10	0.25	17,851.79	4,462.95	0.00	0.00
270	27-Sep	10.25	0.25	17,423.02	4,355.75	0.00	0.00
270	27-Sep	10.5	0.25	17,048.60	4,262.15	0.00	0.00
270	27-Sep	10.75	0.25	16,700.09	4,175.02	0.00	0.00
270	27-Sep	11	0.25	16,548.74	4,137.19	0.00	0.00

270	27-Sep	11.25	0.25	16,533.26	4,133.31	0.00	0.00
270	27-Sep	11.5	0.25	16,514.83	4,128.73	0.00	0.00
270	27-Sep	11.75	0.25	16,504.51	4,126.13	0.00	0.00
270	27-Sep	12	0.25	16,490.73	4,122.57	0.00	0.00
270	27-Sep	12.25	0.25	16,481.44	4,120.36	0.00	0.00
270	27-Sep	12.5	0.25	16,473.22	4,118.31	0.00	0.00
270	27-Sep	12.75	0.25	16,462.48	4,115.61	0.00	0.00
270	27-Sep	13	0.25	16,459.32	4,114.83	0.00	0.00
270	27-Sep	13.25	0.25	16,451.42	4,112.86	0.00	0.00
270	27-Sep	13.5	0.25	16,447.63	4,111.91	0.00	0.00
270	27-Sep	13.75	0.25	16,443.84	4,110.96	0.00	0.00
270	27-Sep	14	0.25	16,439.10	4,109.78	0.00	0.00
270	27-Sep	14.25	0.25	16,443.21	4,110.80	0.00	0.00
270	27-Sep	14.5	0.25	16,523.15	4,130.79	0.00	0.00
270	27-Sep	14.75	0.25	16,776.87	4,194.22	0.00	0.00
270	27-Sep	15	0.25	17,292.16	4,300.54	0.00	0.00
270	27-Sep	15.25	0.25	17,813.87	4,453.47	0.00	0.00
270	27-Sep	15.5	0.25	18,339.78	4,608.40	25.59	6.40
270	27-Sep	15.75	0.25	18,869.89	4,765.33	91.31	22.83
270	27-Sep	16	0.25	19,404.00	4,924.26	190.53	47.63
270	27-Sep	16.25	0.25	19,942.11	5,085.19	319.76	79.94
270	27-Sep	16.5	0.25	20,484.22	5,248.12	511.23	127.81
270	27-Sep	16.75	0.25	21,030.33	5,413.05	739.05	184.76
270	27-Sep	17	0.25	21,580.44	5,580.98	1,077.45	269.36
270	27-Sep	17.25	0.25	22,134.55	5,751.91	1,532.75	383.19
270	27-Sep	17.5	0.25	22,692.66	5,925.84	1,808.91	452.23
270	27-Sep	17.75	0.23	23,254.77	6,102.77	1,152.96	265.18
270	27-Sep	17.97	0.11	23,820.88	6,282.70	59.09	6.50
277	4-Oct	8.16	0.04	24,703.83	6,465.63	0.00	0.00
277	4-Oct	8.25	0.17	23,866.84	6,057.36	0.00	0.00
277	4-Oct	8.5	0.25	22,064.25	5,516.06	0.00	0.00
277	4-Oct	8.75	0.25	20,760.57	5,190.14	0.00	0.00
277	4-Oct	9	0.25	19,902.72	4,975.63	0.00	0.00
277	4-Oct	9.25	0.25	19,195.27	4,798.82	0.00	0.00
277	4-Oct	9.5	0.25	18,636.65	4,659.16	0.00	0.00
277	4-Oct	9.75	0.25	18,096.34	4,524.03	0.00	0.00
277	4-Oct	10	0.25	17,675.55	4,406.39	0.00	0.00
277	4-Oct	10.25	0.25	17,235.02	4,308.75	0.00	0.00
277	4-Oct	10.5	0.25	16,860.28	4,215.07	0.00	0.00
277	4-Oct	10.75	0.25	16,570.86	4,142.71	0.00	0.00
277	4-Oct	11	0.25	16,348.42	4,137.11	0.00	0.00
277	4-Oct	11.25	0.25	16,530.19	4,132.52	0.00	0.00
277	4-Oct	11.5	0.25	16,515.88	4,128.97	0.00	0.00
277	4-Oct	11.75	0.25	16,506.72	4,126.69	0.00	0.00
277	4-Oct	12	0.25	16,490.60	4,122.65	0.00	0.00
277	4-Oct	12.25	0.25	16,481.12	4,120.28	0.00	0.00
277	4-Oct	12.5	0.25	16,472.99	4,118.15	0.00	0.00
277	4-Oct	12.75	0.25	16,462.17	4,115.54	0.00	0.00
277	4-Oct	13	0.25	16,459.32	4,114.83	0.00	0.00
277	4-Oct	13.25	0.25	16,451.74	4,112.93	0.00	0.00
277	4-Oct	13.5	0.25	16,446.05	4,111.51	0.00	0.00
277	4-Oct	13.75	0.25	16,442.89	4,110.72	0.00	0.00
277	4-Oct	14	0.25	16,444.16	4,111.04	0.00	0.00
277	4-Oct	14.25	0.25	16,545.90	4,136.47	0.00	0.00
277	4-Oct	14.5	0.25	16,786.35	4,196.59	0.00	0.00
277	4-Oct	14.75	0.25	17,269.46	4,317.36	0.00	0.00
277	4-Oct	15	0.25	17,881.80	4,470.45	0.00	0.00
277	4-Oct	15.25	0.25	18,621.80	4,655.45	0.00	0.00
277	4-Oct	15.5	0.25	19,378.25	4,874.51	16.75	4.19

277	4-Oct	15.75	0.25	10,740.00	5,155.00	98.90	24.72
277	4-Oct	16	0.25	21,921.25	5,157.80	215.49	53.87
277	4-Oct	16.25	0.25	23,506.32	5,275.58	374.42	93.61
277	4-Oct	16.5	0.25	25,233.49	5,403.57	578.85	144.71
277	4-Oct	16.75	0.25	27,046.58	5,540.77	853.43	213.36
277	4-Oct	17	0.25	28,934.97	5,688.77	1,228.48	307.12
277	4-Oct	17.25	0.25	30,899.25	5,847.15	1,519.48	379.87
277	4-Oct	17.5	0.27	32,937.38	6,016.48	1,518.85	410.09
277	4-Oct	17.79	0.14			129.86	18.18
284	11-Oct	8.27	0.12	23,520.54	2,822.46	0.00	0.00
284	11-Oct	8.5	0.24	21,795.99	5,231.04	0.00	0.00
284	11-Oct	8.75	0.25	20,482.84	5,120.71	0.00	0.00
284	11-Oct	9	0.25	19,541.57	4,885.39	0.00	0.00
284	11-Oct	9.25	0.25	18,926.39	4,731.60	0.00	0.00
284	11-Oct	9.5	0.25	18,364.28	4,591.07	0.00	0.00
284	11-Oct	9.75	0.25	17,856.84	4,464.21	0.00	0.00
284	11-Oct	10	0.25	17,431.55	4,357.89	0.00	0.00
284	11-Oct	10.25	0.25	17,023.95	4,257.49	0.00	0.00
284	11-Oct	10.5	0.25	16,653.12	4,165.78	0.00	0.00
284	11-Oct	10.75	0.25	16,322.44	4,083.11	0.00	0.00
284	11-Oct	11	0.25	16,035.28	4,009.84	0.00	0.00
284	11-Oct	11.25	0.25	15,787.37	3,944.34	0.00	0.00
284	11-Oct	11.5	0.25	15,574.78	3,885.44	0.00	0.00
284	11-Oct	11.75	0.25	15,392.19	3,832.57	0.00	0.00
284	11-Oct	12	0.25	15,233.71	3,785.18	0.00	0.00
284	11-Oct	12.25	0.25	15,094.60	3,742.65	0.00	0.00
284	11-Oct	12.5	0.25	14,970.54	3,704.88	0.00	0.00
284	11-Oct	12.75	0.25	14,857.85	3,671.45	0.00	0.00
284	11-Oct	13	0.25	14,753.32	3,641.83	0.00	0.00
284	11-Oct	13.25	0.25	14,655.47	3,615.62	0.00	0.00
284	11-Oct	13.5	0.25	14,572.00	3,592.75	0.00	0.00
284	11-Oct	13.75	0.25	14,492.84	3,572.46	0.00	0.00
284	11-Oct	14	0.25	14,425.74	3,554.69	0.00	0.00
284	11-Oct	14.25	0.25	14,369.27	3,539.44	0.00	0.00
284	11-Oct	14.5	0.25	14,322.95	3,526.24	0.00	0.00
284	11-Oct	14.75	0.25	14,285.52	3,514.88	0.00	0.00
284	11-Oct	15	0.25	14,255.39	3,505.85	0.00	0.00
284	11-Oct	15.25	0.25	14,232.30	3,499.83	0.00	0.00
284	11-Oct	15.5	0.25	14,215.07	3,495.27	0.00	0.00
284	11-Oct	15.75	0.25	14,202.44	3,491.85	82.47	20.62
284	11-Oct	16	0.25	14,194.15	3,489.24	216.75	54.19
284	11-Oct	16.25	0.25	14,189.90	3,487.25	397.49	99.37
284	11-Oct	16.5	0.25	14,188.30	3,485.85	636.99	159.25
284	11-Oct	16.75	0.25	14,188.80	3,485.42	958.96	239.74
284	11-Oct	17	0.25	14,190.20	3,485.40	1,216.47	304.12
284	11-Oct	17.25	0.25	14,192.30	3,485.72	1,375.09	343.77
284	11-Oct	17.5	0.19	14,195.08	3,486.58	972.54	184.78
284	11-Oct	17.62	0.06	14,198.30	3,487.75	271.10	16.27
291	18-Oct	8.38	0.06	22,327.13	1,339.63	0.00	0.00
291	18-Oct	8.5	0.18	21,527.42	3,874.94	0.00	0.00
291	18-Oct	8.75	0.25	20,113.47	5,028.37	0.00	0.00
291	18-Oct	9	0.25	19,273.95	4,818.49	0.00	0.00
291	18-Oct	9.25	0.25	18,641.07	4,650.27	0.00	0.00
291	18-Oct	9.5	0.25	18,129.20	4,532.30	0.00	0.00
291	18-Oct	9.75	0.25	17,653.04	4,413.26	0.00	0.00
291	18-Oct	10	0.25	17,236.28	4,309.07	0.00	0.00
291	18-Oct	10.25	0.25	16,834.37	4,208.59	0.00	0.00
291	18-Oct	10.5	0.25	16,488.77	4,152.19	0.00	0.00
291	18-Oct	10.75	0.25	16,175.91	4,143.98	0.00	0.00

291	18-Oct	11	0.25	16,552.22	4,138.05	0.00	0.00
291	18-Oct	11.25	0.25	16,531.99	4,133.00	0.00	0.00
291	18-Oct	11.5	0.25	16,516.20	4,129.05	0.00	0.00
291	18-Oct	11.75	0.25	16,500.08	4,125.02	0.00	0.00
291	18-Oct	12	0.25	16,485.23	4,121.31	0.00	0.00
291	18-Oct	12.25	0.25	16,476.38	4,119.10	0.00	0.00
291	18-Oct	12.5	0.25	16,465.96	4,116.49	0.00	0.00
291	18-Oct	12.75	0.25	16,461.22	4,115.30	0.00	0.00
291	18-Oct	13	0.25	16,453.63	4,113.41	0.00	0.00
291	18-Oct	13.25	0.25	16,450.79	4,112.70	0.00	0.00
291	18-Oct	13.5	0.25	16,452.69	4,114.67	0.00	0.00
291	18-Oct	13.75	0.25	16,579.39	4,144.85	0.00	0.00
291	18-Oct	14	0.25	16,849.22	4,212.31	0.00	0.00
291	18-Oct	14.25	0.25	17,327.60	4,331.90	0.00	0.00
291	18-Oct	14.5	0.25	17,916.56	4,479.14	0.00	0.00
291	18-Oct	14.75	0.25	18,656.24	4,664.06	0.00	0.00
291	18-Oct	15	0.25	19,596.87	4,899.21	0.00	0.00
291	18-Oct	15.25	0.25	20,721.08	5,180.77	0.00	0.00
291	18-Oct	15.5	0.25	21,965.04	5,491.26	0.00	0.00
291	18-Oct	15.75	0.25			51.50	12.88
291	18-Oct	16	0.25			206.96	51.74
291	18-Oct	16.25	0.25			406.65	101.66
291	18-Oct	16.5	0.25			658.79	164.70
291	18-Oct	16.75	0.25			899.24	224.81
291	18-Oct	17	0.25			1,104.30	276.08
291	18-Oct	17.25	0.22			1,246.80	274.30
291	18-Oct	17.45	0.1			781.07	78.11
298	25-Oct	7.5	0.13	21,275.36	2,759.30	0.00	0.00
298	25-Oct	7.75	0.25	19,833.21	4,958.30	0.00	0.00
298	25-Oct	8	0.25	19,076.47	4,769.17	0.00	0.00
298	25-Oct	8.25	0.25	18,460.34	4,615.08	0.00	0.00
298	25-Oct	8.5	0.25	17,930.78	4,482.69	0.00	0.00
298	25-Oct	8.75	0.25	17,460.62	4,365.15	0.00	0.00
298	25-Oct	9	0.25	17,024.27	4,256.07	0.00	0.00
298	25-Oct	9.25	0.25	16,683.03	4,170.76	0.00	0.00
298	25-Oct	9.5	0.25	16,407.19	4,151.88	0.00	0.00
298	25-Oct	9.75	0.25	16,580.65	4,145.16	0.00	0.00
298	25-Oct	10	0.25	16,555.38	4,138.84	0.00	0.00
298	25-Oct	10.25	0.25	16,532.94	4,133.24	0.00	0.00
298	25-Oct	10.5	0.25	16,511.14	4,127.79	0.00	0.00
298	25-Oct	10.75	0.25	16,495.66	4,123.91	0.00	0.00
298	25-Oct	11	0.25	16,485.55	4,121.39	0.00	0.00
298	25-Oct	11.25	0.25	16,473.86	4,118.46	0.00	0.00
298	25-Oct	11.5	0.25	16,465.33	4,116.33	0.00	0.00
298	25-Oct	11.75	0.25	16,460.90	4,115.23	0.00	0.00
298	25-Oct	12	0.25	16,453.63	4,113.41	0.00	0.00
298	25-Oct	12.25	0.25	16,467.85	4,116.96	0.00	0.00
298	25-Oct	12.5	0.25	16,590.76	4,147.69	0.00	0.00
298	25-Oct	12.75	0.25	16,910.53	4,227.63	0.00	0.00
298	25-Oct	13	0.25	17,317.80	4,329.45	0.00	0.00
298	25-Oct	13.25	0.25	17,993.29	4,475.82	0.00	0.00
298	25-Oct	13.5	0.25	18,556.07	4,639.02	0.00	0.00
298	25-Oct	13.75	0.25	19,539.05	4,884.76	0.00	0.00
298	25-Oct	14	0.25	20,574.78	5,143.70	0.00	0.00
298	25-Oct	14.25	0.25	21,891.10	5,472.78	0.00	0.00
298	25-Oct	14.5	0.25	23,312.00	5,828.00	0.00	0.00
298	25-Oct	14.75	0.25			17.69	4.42
298	25-Oct	15	0.25			181.05	45.26
298	25-Oct	15.25	0.25			412.97	103.24

298	25-Oct	15.5	0.25		3,143.71	618.35	154.59
298	25-Oct	15.75	0.25		3,873.44	800.66	200.16
298	25-Oct	16	0.25		3,603.45	989.92	247.48
298	25-Oct	16.25	0.15		6,181.42	1,166.55	174.98
298	25-Oct	16.3	0.03		1,257.87	1,196.56	35.90
305	1-Nov	7.61	0.07	20,173.82	1,412.17	0.00	0.00
305	1-Nov	7.75	0.19	19,638.58	3,731.33	0.00	0.00
305	1-Nov	8	0.25	18,889.74	4,722.43	0.00	0.00
305	1-Nov	8.25	0.25	18,373.29	4,568.32	0.00	0.00
305	1-Nov	8.5	0.25	17,754.15	4,438.54	0.00	0.00
305	1-Nov	8.75	0.25	17,276.73	4,319.18	0.00	0.00
305	1-Nov	9	0.25	16,870.08	4,217.52	0.00	0.00
305	1-Nov	9.25	0.25	16,618.57	4,154.64	0.00	0.00
305	1-Nov	9.5	0.25	16,603.72	4,150.93	0.00	0.00
305	1-Nov	9.75	0.25	16,577.18	4,144.29	0.00	0.00
305	1-Nov	10	0.25	16,551.27	4,137.82	0.00	0.00
305	1-Nov	10.25	0.25	16,527.57	4,131.83	0.00	0.00
305	1-Nov	10.5	0.25	16,511.46	4,127.80	0.00	0.00
305	1-Nov	10.75	0.25	16,494.39	4,123.60	0.00	0.00
305	1-Nov	11	0.25	16,483.02	4,120.75	0.00	0.00
305	1-Nov	11.25	0.25	16,472.59	4,118.15	0.00	0.00
305	1-Nov	11.5	0.25	16,464.69	4,116.17	0.00	0.00
305	1-Nov	11.75	0.25	16,460.59	4,115.15	0.00	0.00
305	1-Nov	12	0.25	16,467.54	4,116.89	0.00	0.00
305	1-Nov	12.25	0.25	16,611.93	4,152.98	0.00	0.00
305	1-Nov	12.5	0.25	16,889.04	4,222.28	0.00	0.00
305	1-Nov	12.75	0.25	17,325.70	4,331.43	0.00	0.00
305	1-Nov	13	0.25	17,842.62	4,460.66	0.00	0.00
305	1-Nov	13.25	0.25	18,497.62	4,624.41	0.00	0.00
305	1-Nov	13.5	0.25	19,339.36	4,834.84	0.00	0.00
305	1-Nov	13.75	0.25	20,394.05	5,098.51	0.00	0.00
305	1-Nov	14	0.25	21,560.92	5,390.23	0.00	0.00
305	1-Nov	14.25	0.25	22,981.82	5,745.45	0.00	0.00
305	1-Nov	14.5	0.25	24,665.60	6,166.40	0.00	0.00
305	1-Nov	14.75	0.25	27,021.45	6,755.36	0.00	0.00
305	1-Nov	15	0.25	29,451.54	7,382.85	142.18	35.55
305	1-Nov	15.25	0.25	32,174.71	8,068.63	344.09	86.02
305	1-Nov	15.5	0.25	35,204.15	8,776.05	535.56	133.89
305	1-Nov	15.75	0.25	38,550.81	9,515.24	701.76	175.44
305	1-Nov	16	0.21	40,977.71	10,344.31	874.60	183.66
305	1-Nov	16.17	0.09	42,531.91	11,333.71	1,001.93	90.17
312	8-Nov	7.73	0.01	19,515.03	195.15	0.00	0.00
312	8-Nov	7.75	0.13	19,441.73	2,527.42	0.00	0.00
312	8-Nov	8	0.25	18,798.11	4,699.53	0.00	0.00
312	8-Nov	8.25	0.25	18,157.01	4,539.25	0.00	0.00
312	8-Nov	8.5	0.25	17,610.07	4,402.51	0.00	0.00
312	8-Nov	8.75	0.25	17,140.55	4,285.14	0.00	0.00
312	8-Nov	9	0.25	16,744.01	4,186.00	0.00	0.00
312	8-Nov	9.25	0.25	16,611.93	4,152.98	0.00	0.00
312	8-Nov	9.5	0.25	16,593.29	4,148.32	0.00	0.00
312	8-Nov	9.75	0.25	16,570.86	4,142.71	0.00	0.00
312	8-Nov	10	0.25	16,551.58	4,137.90	0.00	0.00
312	8-Nov	10.25	0.25	16,525.99	4,131.50	0.00	0.00
312	8-Nov	10.5	0.25	16,510.19	4,127.55	0.00	0.00
312	8-Nov	10.75	0.25	16,489.97	4,122.49	0.00	0.00
312	8-Nov	11	0.25	16,479.85	4,119.98	0.00	0.00
312	8-Nov	11.25	0.25	16,470.70	4,117.67	0.00	0.00
312	8-Nov	11.5	0.25	16,465.64	4,116.41	0.00	0.00
312	8-Nov	11.75	0.25	16,474.80	4,118.70	0.00	0.00

312	8-Nov	12	0.25	16,586.02	4,146.51	0.00	0.00
312	8-Nov	12.25	0.25	16,861.23	4,215.31	0.00	0.00
312	8-Nov	12.5	0.25	17,241.02	4,310.26	0.00	0.00
312	8-Nov	12.75	0.25	17,781.33	4,445.33	0.00	0.00
312	8-Nov	13	0.25	18,361.33	4,587.83	0.00	0.00
312	8-Nov	13.25	0.25	19,188.64	4,797.18	0.00	0.00
312	8-Nov	13.5	0.25	20,073.98	5,018.49	0.00	0.00
312	8-Nov	13.75	0.25	21,206.72	5,301.68	0.00	0.00
312	8-Nov	14	0.25	22,458.89	5,614.72	0.00	0.00
312	8-Nov	14.25	0.25	24,049.47	6,012.31	0.00	0.00
312	8-Nov	14.5	0.25	26,153.17	6,598.29	0.00	0.00
312	8-Nov	14.75	0.25	28,810.76	7,202.61	0.00	0.00
312	8-Nov	15	0.25			90.37	22.59
312	8-Nov	15.25	0.25			267.62	66.91
312	8-Nov	15.5	0.25			437.30	109.32
312	8-Nov	15.75	0.25			615.50	153.88
312	8-Nov	16	0.15			788.34	118.25
312	8-Nov	16.05	0.03			821.51	24.65
319	15-Nov	7.85	0.08	19,032.76	1,521.82	0.00	0.00
319	15-Nov	8	0.2	18,662.56	1,732.51	0.00	0.00
319	15-Nov	8.25	0.25	18,041.05	1,510.26	0.00	0.00
319	15-Nov	8.5	0.25	17,502.01	1,375.50	0.00	0.00
319	15-Nov	8.75	0.25	17,009.74	1,252.43	0.00	0.00
319	15-Nov	9	0.25	16,635.63	1,158.91	0.00	0.00
319	15-Nov	9.25	0.25	16,805.93	1,151.48	0.00	0.00
319	15-Nov	9.5	0.25	16,887.92	1,146.98	0.00	0.00
319	15-Nov	9.75	0.25	16,570.86	1,142.71	0.00	0.00
319	15-Nov	10	0.25	16,546.21	1,136.55	0.00	0.00
319	15-Nov	10.25	0.25	16,526.94	1,131.73	0.00	0.00
319	15-Nov	10.5	0.25	16,507.38	1,127.00	0.00	0.00
319	15-Nov	10.75	0.25	16,489.37	1,122.49	0.00	0.00
319	15-Nov	11	0.25	16,480.49	1,120.12	0.00	0.00
319	15-Nov	11.25	0.25	16,472.59	1,118.15	0.00	0.00
319	15-Nov	11.5	0.25	16,470.20	1,117.67	0.00	0.00
319	15-Nov	11.75	0.25	16,550.75	1,140.19	0.00	0.00
319	15-Nov	12	0.25	16,779.08	1,194.77	0.00	0.00
319	15-Nov	12.25	0.25	17,154.13	1,288.53	0.00	0.00
319	15-Nov	12.5	0.25	17,612.92	1,403.23	0.00	0.00
319	15-Nov	12.75	0.25	18,184.50	1,546.12	0.00	0.00
319	15-Nov	13	0.25	18,895.42	1,723.85	0.00	0.00
319	15-Nov	13.25	0.25	19,797.51	1,949.38	0.00	0.00
319	15-Nov	13.5	0.25	20,749.51	2,187.38	0.00	0.00
319	15-Nov	13.75	0.25	21,925.22	2,481.31	0.00	0.00
319	15-Nov	14	0.25	23,273.82	2,819.71	0.00	0.00
319	15-Nov	14.25	0.25	25,174.31	3,293.58	0.00	0.00
319	15-Nov	14.5	0.25	27,517.51	3,879.38	0.00	0.00
319	15-Nov	14.75	0.25	30,291.38	4,572.85	0.00	0.00
319	15-Nov	15	0.25	33,211.86	5,302.97	0.00	0.00
319	15-Nov	15.25	0.25			189.26	47.32
319	15-Nov	15.5	0.25			359.89	89.97
319	15-Nov	15.75	0.23			537.77	123.69
319	15-Nov	15.96	0.11			685.33	75.39
326	22-Nov	7.96	0.02	18,668.34	1,373.21	0.00	0.00
326	22-Nov	8	0.15	18,582.93	1,787.44	0.00	0.00
326	22-Nov	8.25	0.25	17,988.92	1,497.23	0.00	0.00
326	22-Nov	8.5	0.25	17,438.15	1,359.55	0.00	0.00
326	22-Nov	8.75	0.25	16,924.74	1,231.19	0.00	0.00
326	22-Nov	9	0.25	16,619.83	1,154.96	0.00	0.00
326	22-Nov	9.25	0.25	16,604.67	1,151.17	0.00	0.00

326	22-Nov	9.5	0.25	16,583.50	4,145.87	0.00	0.00
326	22-Nov	9.75	0.25	16,568.96	4,142.24	0.00	0.00
326	22-Nov	10	0.25	16,547.48	4,136.87	0.00	0.00
326	22-Nov	10.25	0.25	16,526.94	4,131.73	0.00	0.00
326	22-Nov	10.5	0.25	16,506.40	4,126.60	0.00	0.00
326	22-Nov	10.75	0.25	16,490.92	4,122.73	0.00	0.00
326	22-Nov	11	0.25	16,482.39	4,120.60	0.00	0.00
326	22-Nov	11.25	0.25	16,471.96	4,117.99	0.00	0.00
326	22-Nov	11.5	0.25	16,502.29	4,125.57	0.00	0.00
326	22-Nov	11.75	0.25	16,712.73	4,178.18	0.00	0.00
326	22-Nov	12	0.25	16,978.14	4,244.53	0.00	0.00
326	22-Nov	12.25	0.25	17,479.97	4,357.49	0.00	0.00
326	22-Nov	12.5	0.25	17,905.18	4,476.30	0.00	0.00
326	22-Nov	12.75	0.25	18,568.71	4,642.18	0.00	0.00
326	22-Nov	13	0.25	19,343.15	4,835.79	0.00	0.00
326	22-Nov	13.25	0.25	20,290.73	5,072.68	0.00	0.00
326	22-Nov	13.5	0.25	21,302.77	5,325.69	0.00	0.00
326	22-Nov	13.75	0.25	22,549.89	5,637.47	0.00	0.00
326	22-Nov	14	0.25	23,983.75	5,995.94	0.00	0.00
326	22-Nov	14.25	0.25	26,122.21	6,530.55	0.00	0.00
326	22-Nov	14.5	0.25	28,564.63	7,141.18	0.00	0.00
326	22-Nov	14.75	0.25	31,537.55	7,884.39	0.00	0.00
326	22-Nov	15	0.25	34,561.67	8,640.42	0.00	0.00
326	22-Nov	15.25	0.25		9,178.21	98.58	24.65
326	22-Nov	15.5	0.25		10,271.53	289.43	72.36
326	22-Nov	15.75	0.2		11,557.23	434.14	86.83
326	22-Nov	15.9	0.08		13,082.25	553.89	44.31
333	29-Nov	8.07	0.09	18,344.69	1,651.02	0.00	0.00
333	29-Nov	8.25	0.21	17,950.79	3,771.77	0.00	0.00
333	29-Nov	8.5	0.25	17,412.99	4,353.15	0.00	0.00
333	29-Nov	8.75	0.25	16,839.35	4,222.34	0.00	0.00
333	29-Nov	9	0.25	16,620.46	4,155.13	0.00	0.00
333	29-Nov	9.25	0.25	16,603.09	4,150.77	0.00	0.00
333	29-Nov	9.5	0.25	16,586.97	4,146.74	0.00	0.00
333	29-Nov	9.75	0.25	16,568.96	4,142.24	0.00	0.00
333	29-Nov	10	0.25	16,544.32	4,136.08	0.00	0.00
333	29-Nov	10.25	0.25	16,526.94	4,131.73	0.00	0.00
333	29-Nov	10.5	0.25	16,507.35	4,126.84	0.00	0.00
333	29-Nov	10.75	0.25	16,491.87	4,122.97	0.00	0.00
333	29-Nov	11	0.25	16,479.54	4,119.89	0.00	0.00
333	29-Nov	11.25	0.25	16,482.07	4,120.52	0.00	0.00
333	29-Nov	11.5	0.25	16,585.08	4,146.27	0.00	0.00
333	29-Nov	11.75	0.25	16,827.42	4,206.86	0.00	0.00
333	29-Nov	12	0.25	17,105.47	4,276.37	0.00	0.00
333	29-Nov	12.25	0.25	17,607.23	4,401.81	0.00	0.00
333	29-Nov	12.5	0.25	18,133.94	4,533.49	0.00	0.00
333	29-Nov	12.75	0.25	18,893.21	4,723.30	0.00	0.00
333	29-Nov	13	0.25	19,639.45	4,922.36	0.00	0.00
333	29-Nov	13.25	0.25	20,654.20	5,165.05	0.00	0.00
333	29-Nov	13.5	0.25	21,697.73	5,424.43	0.00	0.00
333	29-Nov	13.75	0.25	22,986.24	5,746.56	0.00	0.00
333	29-Nov	14	0.25	24,607.46	6,151.87	0.00	0.00
333	29-Nov	14.25	0.25	26,765.51	6,691.38	0.00	0.00
333	29-Nov	14.5	0.25	29,313.47	7,328.37	0.00	0.00
333	29-Nov	14.75	0.25	32,394.14	8,098.53	0.00	0.00
333	29-Nov	15	0.25	35,447.95	8,861.99	0.00	0.00
333	29-Nov	15.25	0.25	38,823.69	9,730.90	0.00	0.00
333	29-Nov	15.5	0.25	41,670.63	10,217.65	219.28	54.82
333	29-Nov	15.75	0.18	43,355.64		380.74	68.53

333	29-Nov	15.86	0.05			430.03	21.50
340	6-Dec	8.17	0.04	18,129.20	725.11	0.00	0.00
340	6-Dec	8.25	0.17	17,946.89	3,050.97	0.00	0.00
340	6-Dec	8.5	0.25	17,408.80	4,352.28	0.00	0.00
340	6-Dec	8.75	0.25	16,916.21	4,229.09	0.00	0.00
340	6-Dec	9	0.25	16,621.41	4,155.39	0.00	0.00
340	6-Dec	9.25	0.25	16,602.77	4,150.69	0.00	0.00
340	6-Dec	9.5	0.25	16,586.97	4,146.74	0.00	0.00
340	6-Dec	9.75	0.25	16,568.96	4,142.24	0.00	0.00
340	6-Dec	10	0.25	16,548.11	4,137.03	0.00	0.00
340	6-Dec	10.25	0.25	16,526.94	4,131.73	0.00	0.00
340	6-Dec	10.5	0.25	16,507.98	4,127.00	0.00	0.00
340	6-Dec	10.75	0.25	16,491.81	4,123.20	0.00	0.00
340	6-Dec	11	0.25	16,481.12	4,120.28	0.00	0.00
340	6-Dec	11.25	0.25	16,493.13	4,123.28	0.00	0.00
340	6-Dec	11.5	0.25	16,657.12	4,164.28	0.00	0.00
340	6-Dec	11.75	0.25	16,963.60	4,240.90	0.00	0.00
340	6-Dec	12	0.25	17,304.22	4,326.09	0.00	0.00
340	6-Dec	12.25	0.25	17,775.64	4,443.91	0.00	0.00
340	6-Dec	12.5	0.25	18,294.14	4,573.53	0.00	0.00
340	6-Dec	12.75	0.25	19,057.20	4,764.30	0.00	0.00
340	6-Dec	13	0.25	19,867.34	4,966.83	0.00	0.00
340	6-Dec	13.25	0.25	20,861.68	5,215.43	0.00	0.00
340	6-Dec	13.5	0.25	21,941.65	5,485.41	0.00	0.00
340	6-Dec	13.75	0.25	23,260.50	5,815.12	0.00	0.00
340	6-Dec	14	0.25	24,934.17	6,233.54	0.00	0.00
340	6-Dec	14.25	0.25	27,114.02	6,778.51	0.00	0.00
340	6-Dec	14.5	0.25	29,647.13	7,411.78	0.00	0.00
340	6-Dec	14.75	0.25	32,742.02	8,185.58	0.00	0.00
340	6-Dec	15	0.25	35,837.54	8,959.39	0.00	0.00
340	6-Dec	15.25	0.25	39,340.98	9,835.24	0.00	0.00
340	6-Dec	15.5	0.25			148.19	37.05
340	6-Dec	15.75	0.17			315.02	53.55
340	6-Dec	15.85	0.05			328.61	16.43
347	13-Dec	8.26	0.12	17,975.64	2,157.08	0.00	0.00
347	13-Dec	8.5	0.25	17,476.42	4,369.10	0.00	0.00
347	13-Dec	8.75	0.25	16,965.50	4,241.38	0.00	0.00
347	13-Dec	9	0.25	16,622.04	4,155.51	0.00	0.00
347	13-Dec	9.25	0.25	16,603.40	4,150.85	0.00	0.00
347	13-Dec	9.5	0.25	16,584.13	4,146.03	0.00	0.00
347	13-Dec	9.75	0.25	16,570.23	4,142.56	0.00	0.00
347	13-Dec	10	0.25	16,552.22	4,138.05	0.00	0.00
347	13-Dec	10.25	0.25	16,532.63	4,133.19	0.00	0.00
347	13-Dec	10.5	0.25	16,508.30	4,127.07	0.00	0.00
347	13-Dec	10.75	0.25	16,493.76	4,123.44	0.00	0.00
347	13-Dec	11	0.25	16,482.70	4,120.68	0.00	0.00
347	13-Dec	11.25	0.25	16,501.03	4,125.26	0.00	0.00
347	13-Dec	11.5	0.25	16,677.34	4,169.33	0.00	0.00
347	13-Dec	11.75	0.25	16,985.41	4,246.35	0.00	0.00
347	13-Dec	12	0.25	17,335.81	4,333.99	0.00	0.00
347	13-Dec	12.25	0.25	17,797.12	4,449.28	0.00	0.00
347	13-Dec	12.5	0.25	18,324.16	4,581.04	0.00	0.00
347	13-Dec	12.75	0.25	19,090.69	4,772.67	0.00	0.00
347	13-Dec	13	0.25	19,920.73	4,980.18	0.00	0.00
347	13-Dec	13.25	0.25	20,909.39	5,227.35	0.00	0.00
347	13-Dec	13.5	0.25	21,350.83	5,487.70	0.00	0.00
347	13-Dec	13.75	0.25	23,286.41	5,821.60	0.00	0.00
347	13-Dec	14	0.25	24,960.71	6,240.18	0.00	0.00
347	13-Dec	14.25	0.25	27,131.09	6,782.77	0.00	0.00

347	13-Dec	14.5	0.25	29,650.92	7,412.73	0.00	0.00
347	13-Dec	14.75	0.25	32,705.68	8,176.43	0.00	0.00
347	13-Dec	15	0.25	35,725.69	8,931.42	0.00	0.00
347	13-Dec	15.25	0.25	39,237.97	9,809.43	0.00	0.00
347	13-Dec	15.5	0.25	41,842.02		76.78	19.19
347	13-Dec	15.75	0.18	43,425.72	7,316.67	255.62	46.01
347	13-Dec	15.87	0.06	43,966.07	7,317.97	256.56	15.39
354	20-Dec	8.33	0.08	17,926.67	4,434.13	0.00	0.00
354	20-Dec	8.5	0.21	17,592.69	3,694.47	0.00	0.00
354	20-Dec	8.75	0.25	17,057.45	4,264.36	0.00	0.00
354	20-Dec	9	0.25	16,638.05	4,157.01	0.00	0.00
354	20-Dec	9.25	0.25	16,607.19	4,151.89	0.00	0.00
354	20-Dec	9.5	0.25	16,592.66	4,148.16	0.00	0.00
354	20-Dec	9.75	0.25	16,571.49	4,142.87	0.00	0.00
354	20-Dec	10	0.25	16,554.11	4,138.53	0.00	0.00
354	20-Dec	10.25	0.25	16,536.15	4,133.79	0.00	0.00
354	20-Dec	10.5	0.25	16,518.04	4,128.26	0.00	0.00
354	20-Dec	10.75	0.25	16,497.24	4,124.31	0.00	0.00
354	20-Dec	11	0.25	16,485.55	4,121.39	0.00	0.00
354	20-Dec	11.25	0.25	16,501.66	4,125.42	0.00	0.00
354	20-Dec	11.5	0.25	16,654.27	4,163.57	0.00	0.00
354	20-Dec	11.75	0.25	16,953.18	4,238.29	0.00	0.00
354	20-Dec	12	0.25	17,296.00	4,324.00	0.00	0.00
354	20-Dec	12.25	0.25	17,738.35	4,434.59	0.00	0.00
354	20-Dec	12.5	0.25	18,228.53	4,559.63	0.00	0.00
354	20-Dec	12.75	0.25	19,008.22	4,752.06	0.00	0.00
354	20-Dec	13	0.25	19,800.03	4,950.01	0.00	0.00
354	20-Dec	13.25	0.25	20,772.26	5,193.07	0.00	0.00
354	20-Dec	13.5	0.25	21,800.95	5,460.74	0.00	0.00
354	20-Dec	13.75	0.25	23,088.30	5,772.07	0.00	0.00
354	20-Dec	14	0.25	24,636.14	6,171.53	0.00	0.00
354	20-Dec	14.25	0.25	26,808.17	6,702.04	0.00	0.00
354	20-Dec	14.5	0.25	29,242.69	7,310.67	0.00	0.00
354	20-Dec	14.75	0.25	32,220.36	8,055.09	0.00	0.00
354	20-Dec	15	0.25	35,187.60	8,756.90	0.00	0.00
354	20-Dec	15.25	0.25	38,629.42	9,657.35	0.00	0.00
354	20-Dec	15.5	0.25		10,449.56	15.48	3.87
354	20-Dec	15.75	0.21		9,094.17	205.69	43.20
354	20-Dec	15.91	0.08		8,533.20	248.03	19.84
						193,795.79	43,425.13

36-38 Harriet Street - Shadow Impacts against Gene Friend Recreation Center (40ft Alt fo	
Park Area - Gene Friend Recreation Center	44,337.35
Annual Available Sunlight (AAS) Factor	3,721.40
Annual Available Sunlight (AAS) Gene Friend Rec Center	164,997,014.29
CADP Net New Shadow - Annual	586,300.05
Net New Shadow as % of AAS	0.36%



34 Corte Madera Avenue
Mill Valley, CA 94941

Patrick Kennedy
Panoramic Interests
2116 Allston Way, Suite 1
Berkeley, CA 94704

Re: 36-38 Harriet Street, San Francisco

April 13, 2011

Patrick,

Per the request of the Parks & Recreation Department, CADP has done some further analysis to establish a close approximation of the existing shadow load on Gene Friend Recreation Center.

We recalculated the existing shadow load on the Gene Friend Recreation Center without buildings inside the defined boundary, and determined it to be 8.77% of Annual Available Sunlight. Calculations are in the summary chart below.

36-38 Harriet Street - Shadow Impacts against Gene Friend Recreation Center		
Park Area - Gene Friend Recreation Center	44,337.35	sq. ft.
CADP Approximate* Existing Shadow load	14,472,359.80	sq. ft. hrs.
CADP Approximate* Available Sunlight	150,524,270.61	sq. ft. hrs.
Park Area - Gene Friend Recreation Center	44,337.35	sq. ft.
Annual Available Sunlight (AAS) Factor	3,721.40	hrs. per sq. ft.
Annual Available Sunlight (AAS) Gene Friend Rec Center	164,997,014.29	sq. ft. hrs.
Existing Shadow Load as % of AAS*	8.77%	sq. ft. hrs.

* Underestimated existing shadow load

It is important to note that not all existing surrounding buildings have been accounted for in this calculation. The model is missing a small amount of data for the parcels across the intersection of Folsom and Sixth Streets southeast of Gene Friend Recreation Center. It is our professional opinion that this would add some shadow to the Existing Shadow Load outlined above, but we conservatively estimate this to be less than 5% of the total Existing Shadow Load.

In making this estimate we have considered the following about the area for which we are missing data, which is across Folsom Street: 1) the intersection of Folsom and Sixth Streets is roughly 117 wide diagonally from the Gene Friend Recreation Center, positioning existing low rise building masses significantly distant from the open space minimizing potential shadow impact ; 2) the closest parcel to the Gene Friend Recreation Center is directly to the south and is occupied by low rise building masses that will create additional existing shadow on the park but their southerly location relative to their height will create shadow for very short periods when the sun is very low in the sky; 3) The second closest parcel is across the Folsom and Sixth Street intersection which is a occupied by a parking lot that stretches another 100 feet along Folsom Street and 165 feet along Sixth Street all the way to Shipley Street. The only building on that parcel is a small, one story garage that sits back off the street in the middle of the lot and is height and distant too low to create significant if any additional shadow; 4) the next closest building continuing east is only 3 stories and roughly 200 feet away from the southeast corner of the Gene Friend Recreation Center, again minimizing its potential to cast shadow due to its relative distance and height from the open space of concern.

Based on this calculation and our assumptions, we can conservatively say that the total estimated existing shadow load on the Gene Friendly Recreation Center is less than 14%.

We feel it's important to reiterate that the existing shadow load can only be accurately calculated by considering any and all potential shadow casting elements around the open space in question; however, we consider this analysis to be a close approximation based on the data available.

Regards,

Adam Noble

Digitally signed by Adam Noble
DN: cn=Adam Noble, o=CADP, ou=email@abnoble@pacbell.net, c=US
Date: 2011.04.14 11:53:38 -0700

Adam Noble
President

CADP

34 Corte Madera Ave. Mill Valley, CA 94108
415.816.3505