Director's Report - Downtown Oakland Development Feasibility Study

November 6, 2013

Location: Downtown Oakland

Assessor's Parcel Number: n/a

**Proposal:** Director's Report on the *Downtown Oakland Development* 

Feasibility Study Report prepared by AECOM, under a grant from the Metropolitan Transportation Commission (MTC). The City looked at three sites in downtown Oakland to

determine the current feasibility of residential and commercial

development projects; and to assess which building

typologies, in today's market, might generate funds that could be applied to a potential development incentive and bonus

program

Applicant: City of Oakland - Strategic Planning Division

Phone Number: n/a

Owners: n/a Case File Number: n/a

Planning Permits Required: n/a

General Plan: Central Business District

Zoning: CBD zoning Central Business District

Environmental Determination: n/a

Historic Status: n/a
Service Delivery District: Metro
City Council District: 3

Date Filed: n/a

Action to be Taken: Receive report; hear public comment; make comments to

staff; no action required.

Finality of Decision: n/a

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#### **SUMMARY**

This is an informational report providing an overview of the findings of the *Downtown Oakland Development Feasibility Study*, published October 2013. The study was funded by a Smart Growth Technical Assistance Grant from the Metropolitan Transportation Commission (MTC). The completed study is **Attachment A** to this Director's report.

Economic consultants from the firm AECOM studied various land development scenarios on three sites in downtown Oakland, in order to answer the following questions:

- 1. Given the existing economic conditions at the time of the study (Spring/Summer 2013), is development in downtown Oakland currently feasible? What kind of development is feasible?
- 2. Is there potential for the City to adopt a development incentive and bonus program in downtown? Which areas of downtown would it apply to, and what triggers or thresholds should be considered?
- 3. Is there potential to require a developer contribution on new construction, as suggested in previous reports? If so, what should the scale of the contribution be?

Two of the sites chosen for the Development Feasibility Study are surface parking lots under single ownership:

- 226 13<sup>th</sup> Street;
- 301 19<sup>th</sup> Street.

The other is a site owned by the City:

• 2100 Telegraph Avenue/495 22nd Street.

#### **Key Feasibility Findings**

The Development Feasibility Study results support the findings of previous studies undertaken by the City of Oakland:

- Under today's market conditions, new development in Oakland is difficult, yet becoming increasingly more feasible Of the sixteen evaluated scenarios, five currently break even (after developer profit). The five scenarios that are currently feasible include the four rental residential development scenarios on the Telegraph Avenue site, as well as the low-rise, parked residential scenario on the 19th Street site.
- Despite current market challenges, rental residential developments are projected to become increasingly attractive—While not all sites are currently feasible, attractive locations near a BART station and along accessible corridors show great promise for development as soon as next year (2014). Given current market assumptions, residential rental rates ranging from \$3.00 per square foot at sites commanding premium retail/commercial rates to \$3.30 per square foot in Chinatown (a 26% rate increase from current market conditions) would render all of the project scenarios feasible. Office lease rates would need to increase by up to 200%, to as much as \$49.00 per square foot, in order to make office projects feasible.
- Given these primary findings, the following points highlight the differences among the development types:
  - o Residential developments are more feasible than office developments Residential developments consistently perform better than commercial developments. For low-rise scenarios, the low-rise office building scenario is as infeasible as the least feasible residential site (13th Street high-rise, scenario 2b), while the high-rise office building is more than two times less feasible than high-rise residential.
  - o Feasible high-rise scenarios generate more revenue than low-rise, but low-rise scenarios are more readily feasible than high-rise While few of the development scenarios are currently feasible, high-rise development's attractiveness depends on the rental rate tipping point. The Telegraph Avenue scenarios, which benefit from a 10% rental premium assumption, represent the tipping point between low-rise and high-rise feasibility. For the four rental residential Telegraph sites, the high-rise buildings generate more than 30% additional revenue than the low-rise scenarios. For sites with rental revenue assumptions below this 10% premium assumption, low-rise buildings are much more feasible than high-rise. Despite the Telegraph Avenue site's high-rise

- feasibility, for all scenarios, low-rise residential scenarios generated an average of 30% more value per gross floor area (GFA) and per unit than the high-rise scenarios. This is primarily due to the significant increase in construction costs associated with the transition from low-rise (type V) to high-rise (type I) residential development.
- Location matters Of the three sites evaluated, the Telegraph Avenue site, with its
  favorable lease and rental rates is far and away the most feasible under current market
  conditions.
- Development contributions tied to high-rise development are becoming increasingly more viable as a potential source of income in strategic locations Based on the feasibility analysis, high-rise development on large sites in premium locations (ex. Telegraph Avenue) are increasingly demonstrating the ability to support a public amenity contribution, as they generate larger returns than their low-rise counterpoints. It is important to note, however, that this potential reflects ideal location and rental conditions. This is still not the case for less central sites, such as 226 13th Street, near Chinatown, or for all high-rise or commercial buildings. For those sites, developers will need to be creative to finance development under current conditions. Additional costs in the form of developer contributions on the 13th Street and 19th Street sites placed on new development would likely further stall new construction in Downtown, as either rental rates will need to climb to justify new construction, alternative construction methods will need to be used, or the cost of land will need to be reduced.
- O Community benefit contributions can be small and incremental As most locations in Downtown Oakland remain infeasible for future development, requiring significant developer contribution for high-rise residential buildings will further incentivize low-rise development. Rather, if rental housing continues to escalate above the rate of construction costs, the City could consider smaller developer contributions from across all residential projects, but below 3% of total development costs. As currently evaluated, the five feasible projects generate an average of 6% of development costs for possible contribution. However, it is not advised to set community benefit requirements on the exception, as it will ultimately undermine typical development projects that do not have the specific advantages of a single site/location.
- o Chinatown development is difficult even under ideal situation. A test scenario (1c) was evaluated to understand the potential feasibility of a Chinatown site in which the land is provided free of charge, by a public entity or other agency, and the development relies on modular construction, resulting in residential construction cost savings of up to 15%. Even under these favorable conditions, scenario 1c is not currently feasible.

It is important to note that while the feasibility study demonstrates the challenges of new development, in the past few months there has been a growing amount of renovation and repurposing of existing buildings. This study does not review the feasibility of these types of projects, which can often pave the way for a more successful development atmosphere.

#### **Developer Strategies for Increasing Feasibility**

Developers are often challenged with project feasibility in the planning stage and use a number of strategies to improve the viability of a potential project. These include:

- 1. **Decreasing unit sizes** for rental product to achieve higher rents per square foot. This works best in student markets but economizing on the square footage per bedroom in general can increase yield as rents are more driven by bedrooms than square feet.
- 2. Change the unit mix to increase the number of smaller units, which generally command higher rents per square foot. Studio and one-bedroom apartments have traditionally commanded higher rents per square foot than two -and three-bedroom apartments.
- 3. Increase building efficiency and limit non-leasable area by reducing building circulation and assigning a share of non-leasable area to the tenant (i.e. traditionally only considered in commercial developments).
- 4. Reduce the parking to the extent feasible, recognizing that each parking space can cost more than \$25,000. Note that market constraints may limit the amount of parking a developer can reduce. If a project provides no parking, it often commands lower rents because the majority of middle- and high-income renters in the East Bay own cars.
- 5. Reconfigure parking design to lift parking which –in certain cases- allows developers to accommodate parking at one level versus multiple levels that require additional circulation and associated costs.
- 6. Actively manage and reduce construction costs through a number of methods such as inhouse contractors, pre-negotiated building inputs, novel modular construction practices, and typical value engineering.
- 7. Partner with the landowner to reduce developer upfront costs, including financing, or a lower land cost, which could help make development more feasible.
- 8. Command premium rents above surrounding competition based on the quality of the product, design, and available amenities. For example, developers can often justify higher rents for view premiums of tower buildings. Assuming premium rents is a difficult strategy and overly optimistic assumptions can ultimately undermine the success of the project.

In most cases, developers are considering all of the above options -and more- in each project not only to maximize profitability, but also to justify the development to potential investors. Regardless, AECOM does not recommend considering these development exceptions in a public benefit analysis as it can overstate the potential benefit when many of these exceptions would not apply to a given project. Furthermore, projects can also have an equal if not greater chance of higher development costs than modeled due to landowner land value expectations, site configuration constraints, additional infrastructure needs, site clean-up requirements, entitlement constraints, increased financing requirements, escalating construction costs, and a number of other factors that can ultimately undermine the economic feasibility of a project.

Page 5

#### Public outreach

In addition to this Planning Commission meeting, a public presentation and panel discussion was held on October 30<sup>th</sup> in City Hall, engaging a wide variety of Downtown stakeholders and providing an opportunity to review the analysis and findings of the study.

#### Conclusions

The AECOM Development feasibility analysis clearly indicates that under current market conditions, development of both residential and office buildings remain challenging in Downtown Oakland, but are improving. While the findings of this study do not yet endorse public amenity charges in Downtown Oakland, it is important to keep in mind that developers are constantly reconsidering the feasibility of multifamily projects in the Downtown area. Under specific conditions and with certain development advantages, developers are finding ways to make their projects work. The findings also show that requiring public benefit payments on high-rise development is unlikely to generate significant revenue in the next five years because it will remain more economically advantageous to build low-rise residential. As market conditions improve, the potential for a public benefit fee or provision should be revisited.

To this end, the Study recommends that the City should continue to monitor rental rates as well as construction cost fluctuations in Downtown Oakland to determine when such programs may become viable. The Study indicates that rental rates have grown at an average of 8% per year for the past two years in the East Bay and such growth offers significant momentum for increase in development feasibility. Even since the beginning of this study, in February of 2013, the rate of change in the market has been unpredictable. While, on average, rental rates in the East Bay have increased roughly 4% in the past six months, some developments, such as the Grand in Downtown Oakland have increased rents by as much as 17% over the past six months.

It should be noted, however, that as developers wait for market conditions in Oakland to improve enough to support new development, there are a few items that the City of Oakland can work on to simultaneously reduce risk and increase ease of development. Key improvements recommended in the report include:

- Developing a comprehensive development fee schedule to provide better economic certainty;
- Generating a development pipeline report to increase awareness of new projects and to allow for more predictable absorption;
- Improving planning staffing levels, and therefore adding responsiveness to permitting applications and approval timing;
- Continuing to encourage amenity development and retail opportunities, particularly along key corridors that are most primed for development;
- Increasing government responsiveness to community problems and nuisances;
- Enhancing the BART system through additional transit connections to increase accessibility and connectivity; and
- Continue to enhance Oakland's image and further vibrancy of its Downtown.

The report states that such improvements will help make Oakland more attractive to new development and will better prepare it for the point when market conditions change.

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Approved by:

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Strategic Planning Manager

Rachel Flynn

Director,

Department of Planning and Building

#### **Attachment**

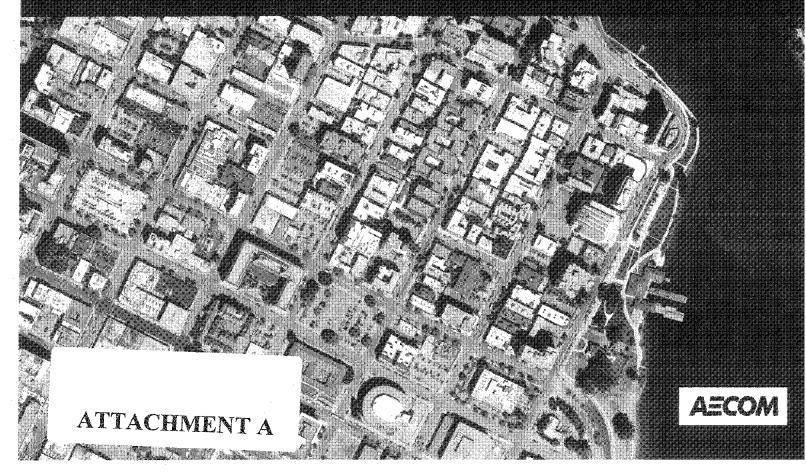
A. Downtown Oakland Development Feasibility Study, October 25, 2013, prepared by AECOM.



## DOWNTOWN OAKLAND DEVELOPMENT FEASIBILITY STUDY

FINAL REPORT

Prepared for City of Oakland Department of Planning and Building and MTC | October 25, 2013



#### TABLE OF CONTENTS

1.	INTRODUCTION	
2.	KEY FEASIBILITY FINDINGS	***************************************
	COMPARISON OF KEY FINDINGS TO PREVIOUS REPORTS	6
3.	SITE SCENARIOS	
	DEVELOPMENT SCENARIO FACTORS	
	Sites	7
	Building Uses	8
	Building Heights	
	Parking Ratios	
	Rental vs. Ownership	
	DEVELOPMENT SCENARIOS	
4.	DEVELOPMENT ASSUMPTIONS	43
5.	FEASIBILITY ANALYSIS	49
	QUANTIFIED BONUS AND BENEFITS OVERVIEW	49
	HEIGHT-RELATED DEVELOPMENT BONUSES	
	Low-Rise Residential Feasibility	
	High-Rise Residential Feasibility	
	PARKING-RELATED DEVELOPMENT BONUSES	
	COMMUNITY BENEFITS AND ON-SITE PUBLIC AMENITIES	
	DEVELOPMENT SENSITIVITY ANALYSIS	
	Project Construction Sensitivity	
	Developer Threshold Sensitivity	
	Revenue Sensitivity	
	Construction Costs and Project Revenues	
	Land Values	
	DEVELOPMENT THRESHOLDS FOR PUBLIC AMENITIES	
	Residential Uses	
	Office Uses  Projected Development Feasibility	
6.	DEVELOPER STRATEGIES FOR INCREASING FEASIBILITY	
7.	CONCLUSION	
APPE	NDIX A - DEVELOPMENT SCENARIO STATIC PRO FORMA SUMMARIES	71
APPE	NDIX B - SENSITIVITY ANALYSES VALUES	88

#### LIST OF TABLES

Table 1. Development Scenarios Summary	2
Table 2. Comparison of Findings with Previous Report	6
Table 3. Development Scenarios Summary	12
Table 4. Basic Building Assumptions	43
Table 5. Hard Cost Assumptions	44
Table 6. Soft Cost Assumptions	45
Table 7. Developer Threshold Assumptions	46
Table 8. Operating Costs Assumptions	46
Table 9. Rental Rates for Units Across the Three Development Sites	
Table 10. Revenue Assumptions	48
Table 11. Feasibility Analysis Summary	50
Table 12. Projected Growth Rates for Feasibility Assessment	61
Table 13. Construction Cost Ranges for Sensitivity Analysis	
Table 14. Developer Threshold Ranges for Sensitivity Analysis	88
Table 15. Revenue Ranges for Sensitivity Analysis	

#### LIST OF FIGURES

Figure 1. Site Locations, Downtown Oakland, California	2
Figure 2. Site Locations, Downtown Oakland, California	8
Figure 3. Low-Rise Mixed Use Development	8
Figure 4. High-Rise Mixed Use Development (left) and Low-Rise Mixed Use Development (right)	9
Figure 5. Low-Rise Live/Work Residential Development	10
Figure 6. Scenarios 1a and 1c (Mixed Use Residential with Parking, +/-65')	14
Figure 7. Scenario 1a In Situ (Mixed Use Residential with Parking, +/-65')	15
Figure 8. Scenario 1b (Mixed Use Residential without Parking, +/-65')	16
Figure 9. Scenario 1b In Situ (Mixed Use Residential without Parking, +/-65')	17
Figure 10. Scenario 2a (Mixed Use Residential with Parking, +/-240')	18
Figure 11. Scenario 2a In Situ (Mixed Use Residential with Parking, +/-240')	19
Figure 12. Scenario 2b (Mixed Use Residential without Parking, +/-240')	20
Figure 13. Scenario 2b In Situ (Mixed Use Residential without Parking, +/-240')	21
Figure 14. Scenario 3a (Mixed Use Residential with Parking, +/-65')	22
Figure 15. Scenario 3a In Situ (Mixed Use Residential with Parking, +/-65')	23
Figure 16. Scenario 3b (Mixed Use Residential without Parking, +/-65')	24
Figure 17. Scenario 3b in Situ (Mixed Use Residential without Parking, +/-65')	25
Figure 18. Scenario 4a (Mixed Use Residential with Parking, +/-175')	26
Figure 19. Scenario 4a In Situ (Mixed Use Residential with Parking, +/-175')	
Figure 20. Scenario 4b (Mixed Use Residential without Parking, +/-175')	28
Figure 21. Scenario 4b In Situ (Mixed Use Residential without Parking, +/-175')	
Figure 22. Scenario 5 (Mixed Use Office, +/-85')	30
Figure 23. Scenario 5 In Situ (Mixed Use Office, +/-85')	31
Figure 24. Scenario 6 (Mixed Use Office, +/-240')	32
Figure 25. Scenario 6 In Situ (Mixed Use Office, +/-240')	33
Figure 26. Scenario 7a (Mixed Use Residential with Parking, +/-65')	34
Figure 27. Scenarios 7a and 9 In Situ (Mixed Use Residential with Parking, +/-65')	35
Figure 28. Scenario 7b (Mixed Use Residential without Parking, +/-65')	36
Figure 29. Scenario 7b In Situ (Mixed Use Residential without Parking, +/-65')	37
Figure 30. Scenario 8a (Mixed Use Residential with Parking, +/-175')	38
Figure 31. Scenario 8a In Situ (Mixed Use Residential with Parking, +/-175')	39
Figure 32. Scenario 8b (Mixed Use Residential without Parking, +/-175')	40
Figure 33. Scenario 8b In Situ (Mixed Use Residential without Parking, +/-175')	41
Figure 34. Comparison of Additional Return above Developer Profit Threshold (\$) by Scenario	51
Figure 35. Comparison of Additional Return (\$) per GFA by Scenario	52
Figure 36. Comparison of Additional Return (\$) per Unit by Scenario	53
Figure 37. Average Capitalized Opportunity Cost per Square Foot	55
Figure 38. Impacts of Construction Costs on Additional Revenue per GFA	57
Figure 39. Impacts of Developer Threshold on Additional Revenue per GFA	58

Figure 40. Impacts of Revenue Assumptions on Additional Revenue per GFA	59
Figure 41. Impacts of Decrease in Construction Costs (85%) and Increase in Revenue (115%)	60
Figure 42. Projected Development Feasibility – Low-rise vs. High-rise	62
Figure 43. Projected Development Feasibility – Low-rise Scenario Range	63
Figure 44. Projected Development Feasibility – High-rise Scenario Range	
Figure 45. Projected Development Feasibility – Rental vs. Condominium	
Figure 46. Projected Development Feasibility Office Scenarios	
Figure 47. Static Pro Forma – Scenario 1a (Mixed Use Residential with Parking, +/-65')	72
Figure 48. Static Pro Forma - Scenario 1b (Mixed Use Residential without Parking, +/-65')	73
Figure 49. Static Pro Forma – Scenario 1c (Zero Land Costs; 15% Construction Cost Savings)	74
Figure 50. Static Pro Forma – Scenario 2a* (Mixed Use Residential with Parking, +/-240')	75
Figure 51. Static Pro Forma – Scenario 2b* (Mixed Use Residential without Parking, +/-240')	76
Figure 52. Static Pro Forma - Scenario 3a (Mixed Use Residential with Parking, +/-65')	77
Figure 53. Static Pro Forma - Scenario 3b (Mixed Use Residential without Parking, +/-65')	78
Figure 54. Static Pro Forma – Scenario 4a* (Mixed Use Residential with Parking, +/-175')	79
Figure 55. Static Pro Forma – Scenario 4b* (Mixed Use Residential without Parking, +/-175')	80
Figure 56. Static Pro Forma – Scenario 5 (Mixed Use Office, +/-85')	81
Figure 57. Static Pro Forma – Scenario 6* (Mixed Use Office, +/-240')	82
Figure 58. Static Pro Forma – Scenario 7a (Mixed Use Residential with Parking, +/-65')	83
Figure 59. Static Pro Forma – Scenario 7b (Mixed Use Residential without Parking, +/-65')	84
Figure 60. Static Pro Forma – Scenario 8a* (Mixed Use Residential with Parking, +/-175')	85
Figure 61. Static Pro Forma – Scenario 8b* (Mixed Use Residential without Parking, +/-175')	86
Figure 62. Static Pro Forma – Scenario 9 (Mixed Use Condo with Parking, +/-65')	87

### 1. Introduction

In early 2013, AECOM began work on the *Downtown Oakland Development Feasibility Study* for the City of Oakland's Department of Planning and Building. This project is conducted as part of AECOM's Smart Growth Technical Assistance master service agreement with the Metropolitan Transportation Commission (MTC).

As there have been a series of recent development feasibility studies<sup>1</sup> in Oakland, primarily in the Lake Merritt area, the purpose of this study is to build on existing work to answer the following questions:

- 1. Given existing planning and economic conditions, is development in downtown Oakland feasible? What kind of development is feasible?
- 2. Is there potential to require a developer contribution, as suggested in previous reports? What should the scale of the contribution be?
- 3. Is there potential to implement development incentive and bonus programs? Which parts of downtown would it apply to, and what triggers or thresholds should be considered?

AECOM uses a static land residual analysis methodology which evaluates the feasibility of a project at stabilized occupancy. This point-in-time evaluation considers the remaining value, if any, after accounting for land value, development costs, and developer profits. The development feasibility analysis methodology builds an understanding of the relationship between location, planning parameters, building configuration, and feasibility, and highlights where potential incentive and bonus programs might be most useful to promote feasible development in the Downtown.

In order to evaluate the feasibility of development, as well as the potential for a developer contribution or incentive program, the City of Oakland identified three sites in Downtown Oakland, which are reflective of the Downtown sites mostly likely to be redeveloped. Sixteen scenarios, reflecting a mix of residential and office land uses as well as a mix of building heights were explored across the three sites. Once of the scenarios (1c) reflects a scenario in which land is provided free of charge, and the development relies on construction methods which allow for up to 15 percent savings.

A summary of the three sites and the various scenarios analyzed is presented in Figure 1 and Table 1 below.

¹ "Lake Merritt Station Area Plan Community Benefits Analysis," Strategic Economics, December 2012; "Lake Merritt Station Area Plan Market Opportunity Analysis," June 2010; "Affordable Housing Assessment Lake Merritt Station Area Plan," Conley Consulting Group, June 2010.

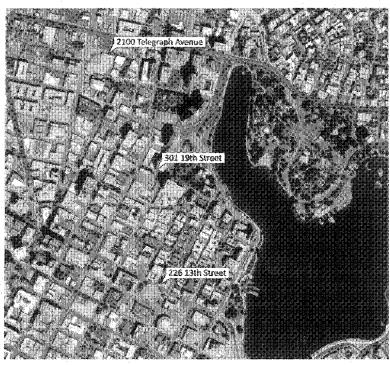


Figure 1. Site Locations, Downtown Oakland, California

**Table 1. Development Scenarios Summary** 

Seedane	Siza	Mixed Use (Retail / 8)	Low ( Hist) Rise (Construction Type)	: Farking (YW)
1a		Residential	Low (Type V)	Ą
1b		Residential	Low (Type V)	N
1c **	226 13th Street	Residential	Low (Type V)	γ
2a*		Residential	High (Type I)	У
2b*		Residential	High (Type I)	N
3a	301 19th Street	Residential	Low (Type V)	Υ
<b>3</b> b		Residential	Low (Type V)	N
4a*		Residential	High (Type I)	Y
4b*		Residential	High (Type I)	N
5		Office	Low (Type III)	Y
6*		Office	High (Type I)	Υ
7a	2100 Telegraph Avenue and 495 22rid Street	Residential	Low (Type V)	Υ
<b>7</b> b		Residential	Low (Type V)	N
<b>8</b> a*		Residential	High (Type I)	Y
8b*		Residential	High (Type I)	N
9		Residential Condo	Low (Type V)	Y

Source: City of Oakland, AECOM

<sup>\*</sup> Indicates high-rise development / "a" indicates parking, "b" indicates no parking

<sup>\*\*</sup> Scenario 1c represents a Chinatown development, with free land, and modular construction

## 2. Key Feasibility Findings

The development feasibility results support the findings of previous studies undertaken by the City of Oakland. The key findings of the current analysis include:

- Under today's market conditions, new development in Oakland is difficult, yet becoming increasingly more feasible—Of the sixteen evaluated scenarios, five currently break even (after developer profit). The five scenarios that are currently feasible include the four rental residential development scenarios on the Telegraph Avenue site, as well as the low-rise, parked residential scenario on the 19<sup>th</sup> Street site. The Telegraph Avenue scenarios received premium rental rates due to their location, with the 19<sup>th</sup> Street site evaluated with market-rate rates.
- Despite current market challenges, rental residential developments are projected to become increasingly attractive While not all sites are currently feasible, attractive locations near a BART station and along accessible corridors show great promise for development as soon as next year (2014). Given current market assumptions, residential rental rates ranging from \$3.00 per square foot at sites commanding premium retail/commercial rates to \$3.30 per square foot in Chinatown (a 26 percent rate increase from current market conditions) would render the all the project scenarios feasible. Office lease rates would need to increase by up to 200 percent, to as much as \$49.00 per square foot, in order to make office projects feasible.

Given these primary findings, the following points review the differences among the development types:

- Residential developments are more feasible than office developments Residential
  developments consistently perform better than commercial developments. For low-rise
  scenarios, the low-rise office building scenario is as infeasible as the least feasible residential site
  (13<sup>th</sup> Street high-rise scenario 2b), while the high-rise office building is more than 2 times less
  feasible than high-rise residential.
- Feasible high-rise scenarios generate more revenue than low-rise, but low-rise scenarios are
  more readily feasible than high-rise While few of the developments are feasible, high-rise
  development's attractiveness depends on the rental rate tipping point. The Telegraph Avenue
  scenarios, which benefit from a 10 percent rental premium assumption, represent the tipping

point between low-rise and high-rise feasibility. For the four rental residential Telegraph sites, the high-rise buildings generate more than 30 percent additional revenue than the low-rise scenarios. For sites with rental revenue assumptions below this 10 percent premium assumption, low-rise buildings are much more feasible than high-rise. Despite the Telegraph Avenue site's high-rise feasibility, for all scenarios, low-rise residential scenarios generated an average of 30 percent more value per gross floor area (GFA) and per unit than the high-rise scenarios. This is primarily due to the significant increase in construction costs associated with the transition from low-rise (type V) to high-rise (type I) residential development.

- Location matters Of the three sites evaluated, the Telegraph Avenue site, with its favorable lease and rental rates is far and away the most feasible.
- viable as a significant as a potential source of income in strategic locations Based on the feasibility analysis, high-rise development on large sites in premium locations (ex. Telegraph Avenue) are increasingly demonstrating the ability to support a public amenity contribution, as they generate larger returns than their low-rise counterpoints. For the four feasible scenarios on the Telegraph Avenue site, potential developer contribution ranges from \$22 to \$27 per GSF. It is important to note, however, that this potential reflects ideal location and rental conditions. This is still not the case for less-central sites, such as 226 13<sup>th</sup> Street, near Chinatown, or for all high-rise or commercial buildings. For those sites, developers will need to be creative to finance development under current conditions. Additional costs in the form of developer contributions on the 13<sup>th</sup> Street and 19<sup>th</sup> Street sites placed on new development would likely further stall new construction in Downtown, as either rental rates will need to climb to justify new construction, alternative construction methods will need to be used, or the cost of land will need to be reduced.
- Community benefit contributions can be small and incremental As most locations in Downtown Oakland remain infeasible for future development, requiring significant developer contribution for high-rise residential buildings will further incentivize low-rise development. Rather, if rental housing continues to escalate above the rate of construction costs, the City could consider smaller developer contributions from across all residential projects, but below 3% of total development costs. As currently evaluated, the five feasible projects generate an average of 6 percent of development costs for possible contribution. However, it is not advised

- to set community benefit requirements on the exception, as it will ultimately undermine typical development projects that do not have the specific advantages of a single site/location.
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  under these favorable conditions, scenario 1c is not currently feasible.

It is important to note that while the feasibility study demonstrates the challenges of new development, in the past few months there has been a growing amount of renovation and repurposing of existing buildings. This study does not review the feasibility of these types of projects, which can often pave the way for a more successful development atmosphere.

#### COMPARISON OF KEY FINDINGS TO PREVIOUS REPORTS

In December of 2012, Strategic Economics completed a separate development feasibility study for the Lake Merritt Station Area Plan Area, entitled the Lake Merritt Station Area Plan Community Benefits Analysis. The Strategic Economics memorandum summarized some key findings, which continue to be very much in line with the findings presented in this report. The key findings of the Strategic Economics analysis include:

Table 2. Comparison of Findings with Previous Report

Lake Merritt Station Area Plan Community Benefits Analysis (December 2012)	Downtown Oakland Development Feasibility Study (October 2013)
Under current market conditions, none of the development scenarios tested are financially feasible	Because the analysis was performed just shy of a year ago, the increase in rental revenue since that point has adjusted feasibility upwards, rendering just under half of the rental residential sites feasible.
Lower parking ratios may or may not improve development feasibility	This study reaches the same conclusion (see p.54)
The smaller parcels in the planning area will be more challenging to develop than larger sites of 1 to 2 acres.	The sites evaluated in this study range from 1.3 to 2.2 acres. No sites less than 1 acre were evaluated. However, it is generally understood that smaller sites can pose significant design challenges, which increase development costs and reduce expected revenue.
Significant increases in rents will be required for residential development to occur in the Plan Area.	The rental rates evaluated in the Strategic Economics Lake Merritt Analysis range from \$2.03 to \$2.50 per square foot, significantly lower than the \$2.60 to \$3.20 rates reviewed in this analysis. The rates evaluated in this report reflect a portion of the increase needed to support new development. The analysis demonstrates that the required rates are within the range presented in the Lake Merritt Analysis (\$3.00-\$3.35 compared to \$2.87 to \$3.73)
Low-rise wood frame construction will be the first building type to become feasible, likely followed by high-rise concrete and steel construction.	This study reaches the same conclusion (see p. 4)
The majority of development in the Lake Merritt Station Area over the next two decades will be low-rise rather than mid-rise or high-rise.	This study reviewed the entire Downtown area rather than the Lake Merritt Station Area, but did conclude that while low-rise is currently more feasible on less premium sites, the scale is slowly tipping to make high-rise development more attractive.

Source: AECOM; "Lake Merritt Station Area Plan Community Benefits Analysis," Strategic Economics, December 2012.

## 3. Site Scenarios

In coordination with the City, AECOM has developed 15 site scenarios for evaluation. The scenarios vary by site, building use, and height, in order to tease out development differences between the variations.

#### DEVELOPMENT SCENARIO FACTORS

Five varying development factors were considered in across scenarios:

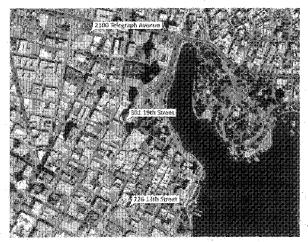
- 1. Sites three sites were used
- 2. Building uses two mixed-use building types were applied
- 3. Building height low-rise and high-rise developments were evaluated
- 4. Parking ratios two parking ratios were applied to residential buildings
- 5. Rental vs. ownership two leasing/ownership structures were explored

#### SITES

As part of the study, the City identified three specific site locations within Downtown Oakland. The sites were chosen for their distribution throughout Downtown Oakland's Priority Development Area (PDA). Each of the three sites currently hosts a parking lot or parking garage, and is otherwise empty and represents a realistic development opportunity. The sites include:

- 1. 226 13<sup>th</sup> Street
- 2. 301 19th Street
- 3. 2100 Telegraph Avenue and 495 22nd Street

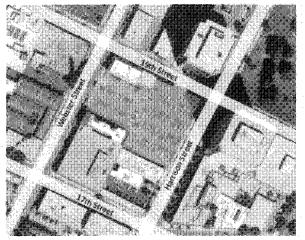
Figure 2. Site Locations, Downtown Oakland, California



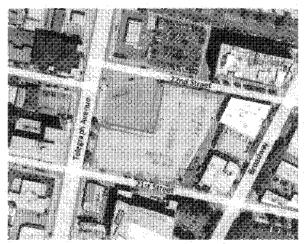
All Sites, Downtown Oakland



226 13th Street



301 19th Street



2100 Telegraph Avenue and 495 22<sup>nd</sup> Street

#### **BUILDING USES**

On the three sites, two building use mixes will be considered:

- 1. Mixed use Retail / Rental Residential
- 2. Mixed use Retail / Office





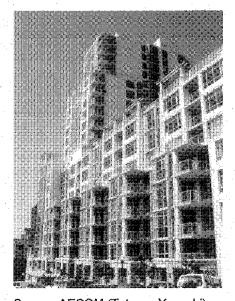
Source: AECOM (Tetsuya Yaguchi)

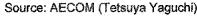
#### **BUILDING HEIGHTS**

Additionally, because of findings from previous studies, particularly Strategic Economics' Lake Merritt Station Area Plan Community Benefits Analysis, completed in December 2012, only low and high rise buildings are considered. Mid-range buildings around 8 stories were identified as currently unfeasible in the Strategic Economics report. The following building heights are considered, allowing for type V wood–frame, low-rise residential buildings, type III low-rise office buildings, and type I construction-concrete frame, high-rise buildings. The four building heights reviewed are:

- 1. +/-65' (residential low-rise) ranges from 50' to 75'
- 2. +/-85' (office low-rise) ranges from 40' to 85'
- 3. +/-175' (residential high-rise)
- 4. +/-240' (residential and office high-rise) ranges from 240' to 270'

Figure 4. High-Rise Mixed Use Development (left) and Low-Rise Mixed Use Development (right)







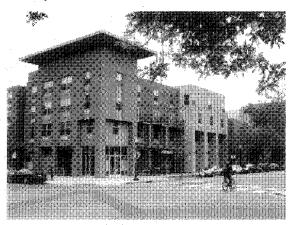
<sup>&</sup>lt;sup>2</sup> Mid-rise 8-story projects are significantly more expensive to build as building type and materials change, but the development receives insufficient incremental revenue to justify the change in building cost.

#### PARKING RATIOS

Evaluating multiple parking scenarios is essential to this analysis due to the varied responses of stakeholders to the necessity of parking as a development component. While most of the developers who were interviewed for this report indicated that they would be hesitant to develop a property without adequate parking, particularly in areas that are less BART-accessible, the City of Oakland has also indicated that their staff has had recent conversations expressing the opposite – that the burden of developing parking on-site limits development potential. Evaluating two parking ratios also provides this analysis support for whether changes in required parking ratios can encourage development and increase feasibility.

In order to evaluate both development options, two parking ratio scenarios have been developed for each of the rental residential scenarios: a) one parking space per unit (1:1), and b) zero parking spaces per unit (0:1).

Figure 5. Low-Rise Live/Work Residential Development



Source: AECOM (Tetsuya Yaguchi)

For the residential units with no parking, the ground floor is built out as live/work lofts.

#### RENTAL VS. OWNERSHIP

While previous market studies have indicated that the residential ownership market is currently not a viable one, there is increasing evidence that developers are revisiting ownership properties. The San Francisco Business Times recently published an article identifying four projects in Oakland that are currently selling new condominiums during the summer of 2013: two near Jack London Square, and two in Uptown Oakland, north of West Grand Avenue.<sup>3</sup> Aside from these projects, however, there are few other condo buildings on the market in Oakland. Given the upswing in the San Francisco real estate market, the City of Oakland asked that one property on Telegraph Avenue be evaluated as an ownership scenario. Aside from the one Telegraph scenario, the rest of the residential development scenarios are all rental properties.

#### DEVELOPMENT SCENARIOS

Table 3 summarizes the 15 development scenarios identified for review. While this study is primarily reviewing rental residential, AECOM has included two additional sites (4a and 8b), which provide more typical condominium parking ratios for comparison.

The following figures present conceptual designs and layouts for each of the 15 proposed scenario variations on the three opportunity sites. The building designs adhere to existing planning codes and restrictions. In addition to conceptual building floor plans and sections, massing diagrams representing the buildings on site are included to provide context and an understanding of how the types of development being proposed

<sup>&</sup>lt;sup>3</sup> "Bridgewater Condos Hit the Market." San Francisco Business Times. 27.51 (July 12, 2013): 10.

<sup>&</sup>lt;sup>4</sup> Scenario 9 (condo) is a duplicate of scenario 7a, in terms of site, building use, height, and parking ratio. Scenario 9 only varies in terms of financing and feasibility analysis, and thus is not presented as a separate diagram.

compares to the existing neighborhoods. AECOM focused the retail on specific retail corridors rather than wrap the entire building in retail frontage. This is in response to the developer interviews which cautioned that 100 percent ground floor retail would drain the economic feasibility of the project.

It is also important to note that the proposed development scenarios are hypothetical. While they have been vetted with the City and with the real estate development community, any future development would be expected to follow current zoning and development standards, or design guidelines, which are subject to change.

**Table 3. Development Scenarios Summary** 

Scenario	Site		Total Site Area	a sullaing	Tower Halghi (FL)	Total Uses (GFA)			<u>Total</u> Li <u>ve/Work</u>	Total Sesidendal	Residential <u>pr.Office</u> Parking	Total <u>Parking</u>	
			(84.FL)			Refail (Sq. Ft.)	Office (Sq. FL)	Liva / Work (Sq. Ft)	Residential (Sq. Ft.)	<u>Doine</u>	<u>Units</u>	Ratio	See
18		Residential	59,727	70	0	18,500			203,300	0	200	1.0	199
1b	226 13th	Residential	59,727	70	0	15,300		26,600	217,900	17	214	0.0	0
1c**	Street		59,727	70	0	18,500			203,300	0	200	1.0	199
2a*	J	Residential	59,727	50	270	18,500			368,700	0	365	1.1	397
26*		Residential	59,727	50	270	8,000		29,800	436,200	19	431	0.0	0
3a		Residential	57,935	70	0	14,200			184,100	0	175	1.0	163
3b		Residential	87,935	70	0	15,400		16,700	220,000	11	211	0.0	0
4a*	301 19th	Residential	57,935	75	175	14,300			254,800	0	246	1.0	253
4b*	Street	Residential	57,935	75	175	20,300		6,000	263,900	4	257	0.0	0
5		Office	57,935	85	٥	11,000	145,900						86
6*		Office	57,935	40	240	10,600	387,100						196
7a	2100	Residential	93,334	70	0	12,700		11,300	326,900	7	<b>32</b> 3	1.0	337
7b	Tolegraph	Residential	93,334	70	0	16,200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40,000	330,900	26	323	0.0	0
9a*	Avenue and 495	Residential	93,334	75	175	19,000			456,000	0	446	1.0	465
8b*	22nd	Residential	93,334	75	<b>1</b> 75	20,300		33,700	488,100	22	479	0.0	0
9	Street	Residential - Condo	93,334	70	0	12,700		11,300	<b>32</b> 6,900	7	323	1.0	<b>3</b> 37

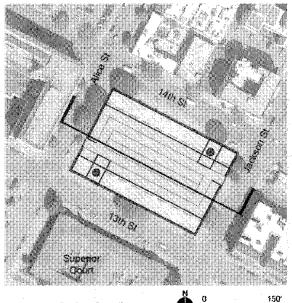
Source: City of Oakland, AECOM

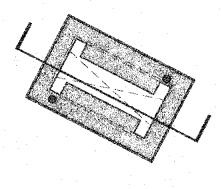
<sup>\*</sup> Indicates high-rise development / "a" indicates parking, "b" indicates no parking

<sup>\*\*</sup> Scenario 1c represents a Chinatown development, with free land, and modular construction – representing a 15% savings in construction costs

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Figure 6. Scenarios 1a and 1c (Mixed Use Residential with Parking, +/-65')

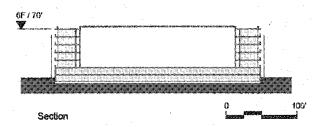




Site Plan / Ground Floor Plan



Podium Plan



#### Legend

Elevator Core

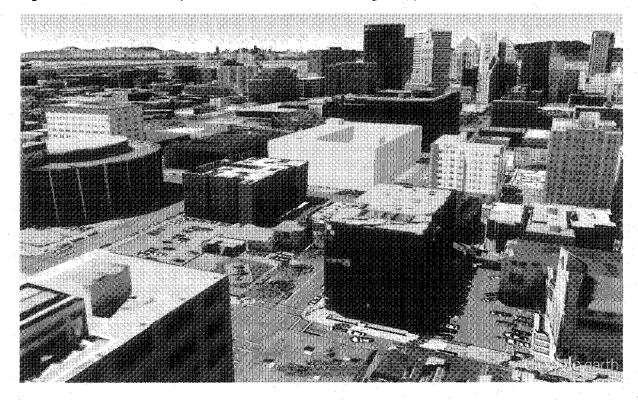
Development Summary

Retail 18,500 sf

Residential 203,300 sf (200 units)

Parking: 69,600 sf (199 spaces)

Figure 7. Scenario 1a In Situ (Mixed Use Residential with Parking, +/-65')



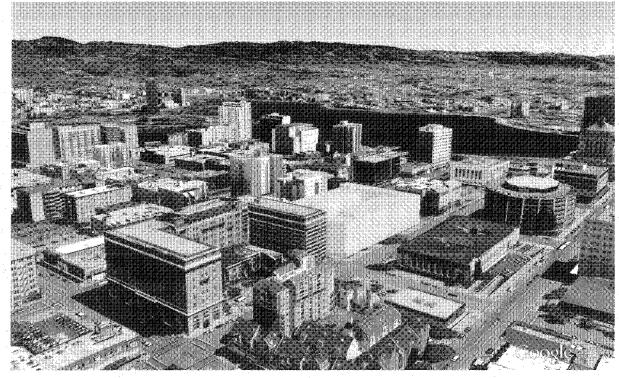
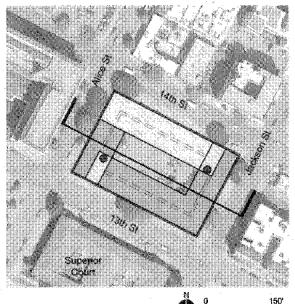
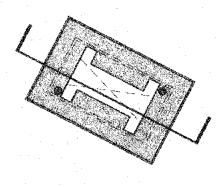


Figure 8. Scenario 1b (Mixed Use Residential without Parking, +/-65')

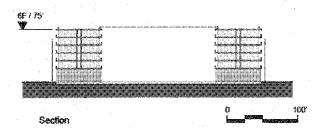




Site Plan / Ground Floor Plan



Podium Plan



Legend

Elevator Core

Development Summary

Retail 15,300 sf

26,600 sf

Residential 217,900 sf (214 units)

Figure 9. Scenario 1b in Situ (Mixed Use Residential without Parking, +/-65')



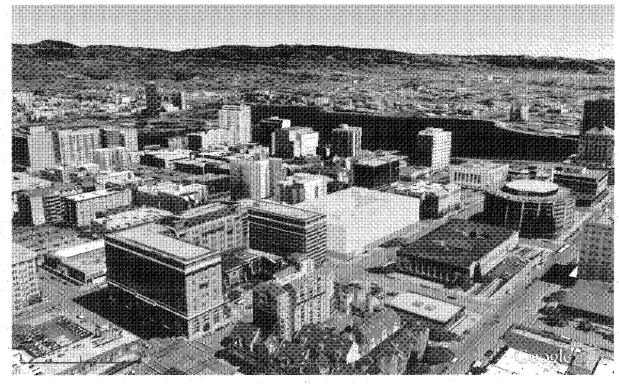
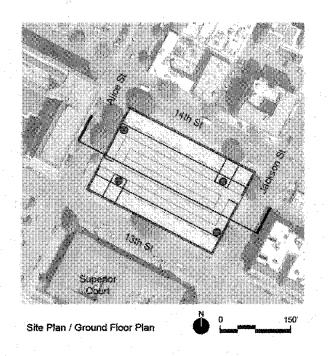
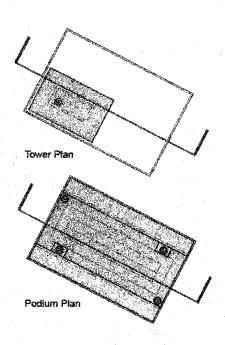
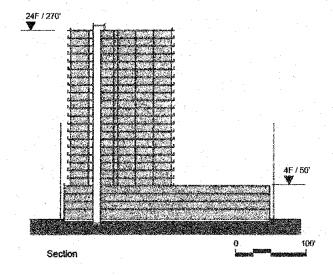


Figure 10. Scenario 2a (Mixed Use Residential with Parking, +/-240')







Legend

Elevator Core

Development Summary

Retail 18,500 sf

Residential 368,700 of (365 units)

Parking 139,200 sf (397 spaces)

Figure 11. Scenario 2a In Situ (Mixed Use Residential with Parking, +/-240')



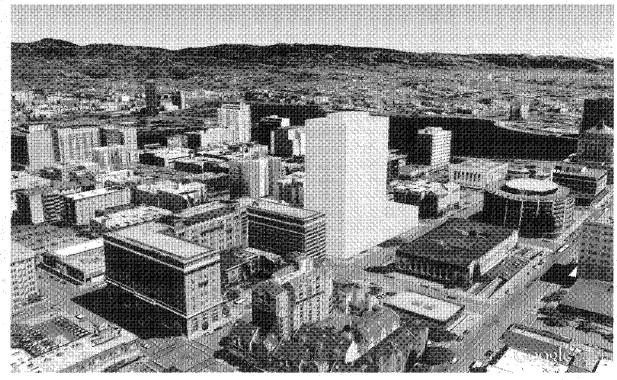
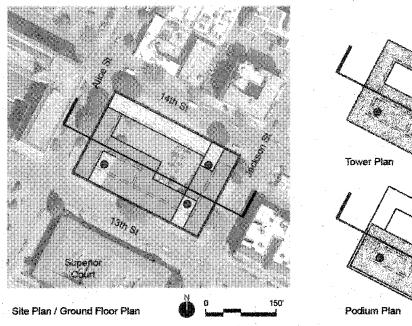
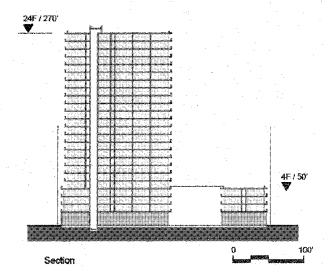
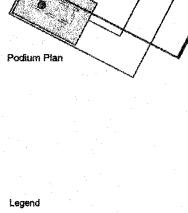


Figure 12. Scenario 2b (Mixed Use Residential without Parking, +/-240')







Elevator Core

Development Summary

Retail 8,000 sf

Lave With 1 29,800 sf

Residential 436,200 sf (431 units)

Figure 13. Scenario 2b In Situ (Mixed Use Residential without Parking, +/-240')



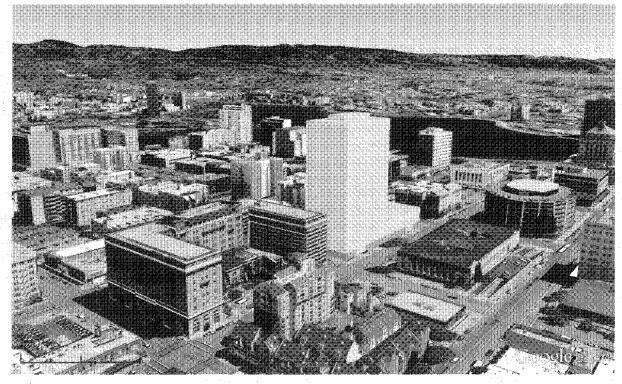
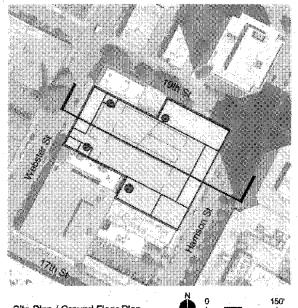
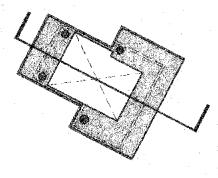


Figure 14. Scenario 3a (Mixed Use Residential with Parking, +/-65')





Site Plan / Ground Floor Plan



Podium Plan

# Section

Legend

Elevator Core

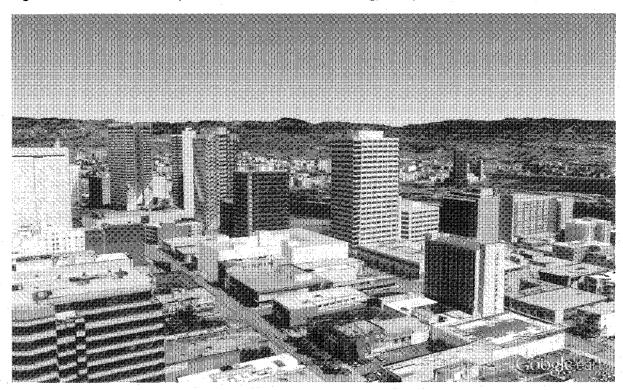
Development Summary

Retail 14,200 sf

Residential 3 184,100 sf (175 units)

Parting 64,000 sf (183 spaces)

Figure 15. Scenario 3a in Situ (Mixed Use Residential with Parking, +/-65')



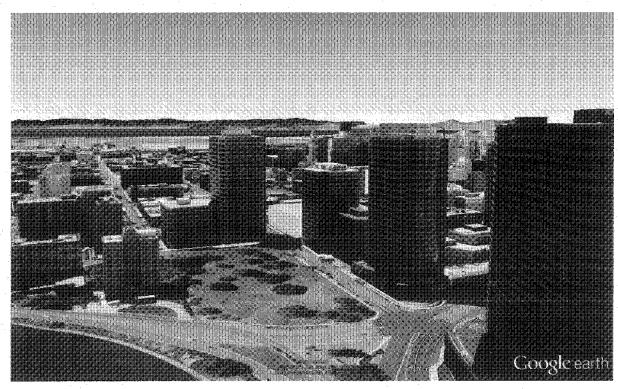
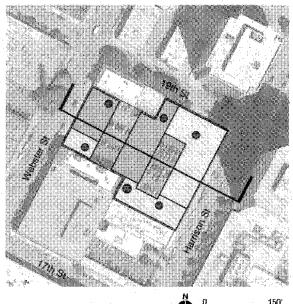
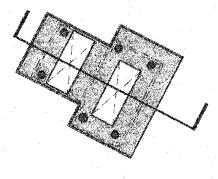


Figure 16. Scenario 3b (Mixed Use Residential without Parking, +/-65')

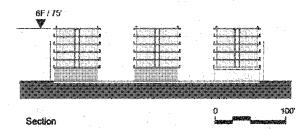




Site Plan / Ground Floor Plan

0 0 150

Podium Plan



Legend

Elevator Core

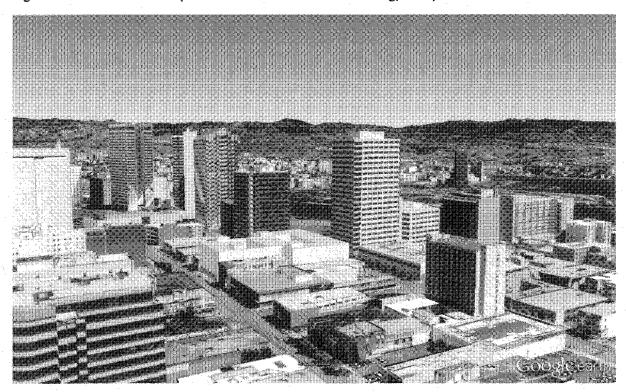
**Development Summary** 

Retail: 15,400 sf

16,700 SF

Residential 220,000 sf (211 units)

Figure 17. Scenario 3b In Situ (Mixed Use Residential without Parking, +/-65')



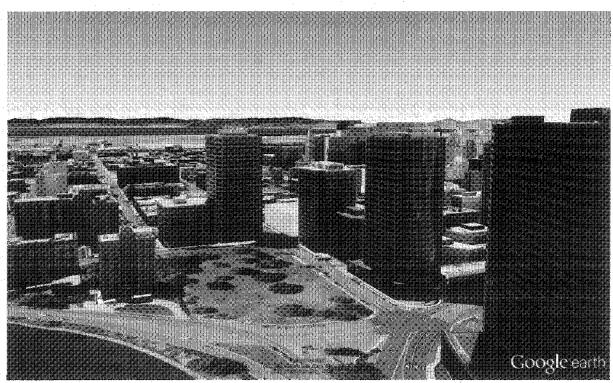
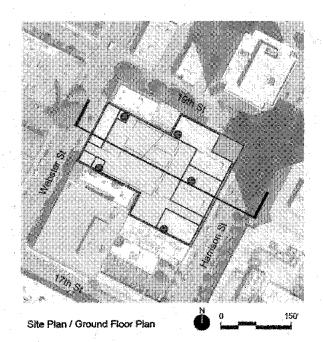
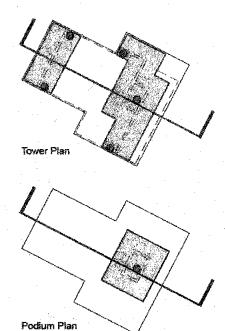
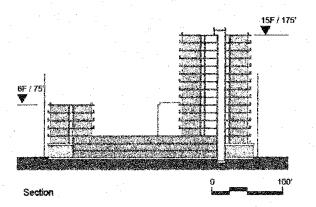


Figure 18. Scenario 4a (Mixed Use Residential with Parking, +/-175')







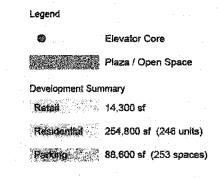


Figure 19. Scenario 4a In Situ (Mixed Use Residential with Parking, +/-175')

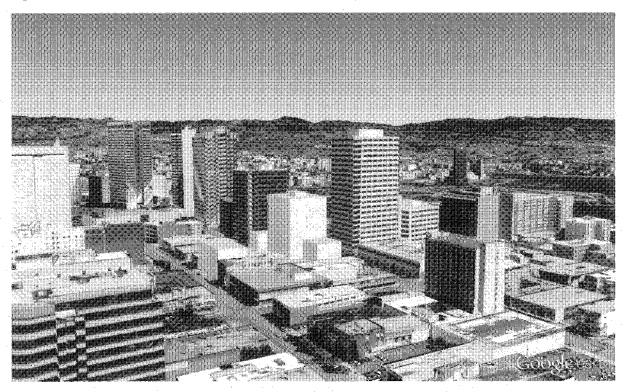
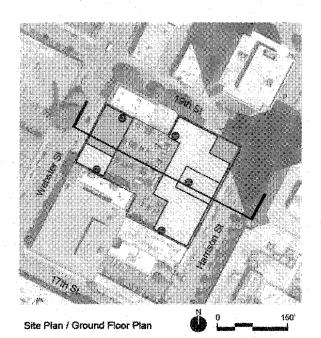
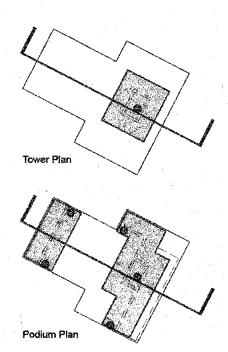
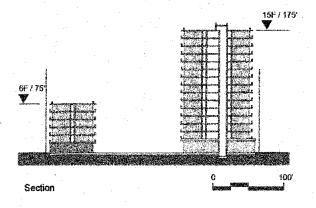




Figure 20. Scenario 4b (Mixed Use Residential without Parking, +/-175')







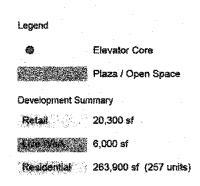


Figure 21. Scenario 4b In Situ (Mixed Use Residential without Parking, +/-175')

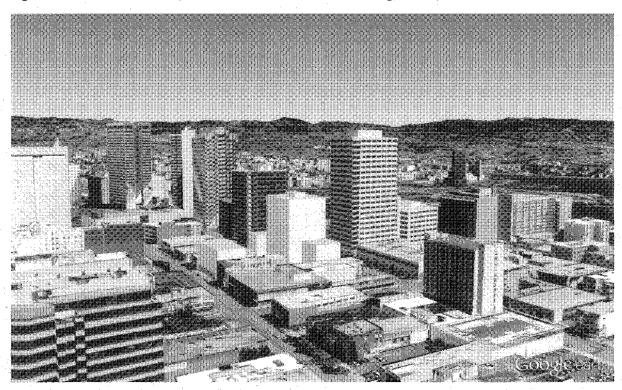
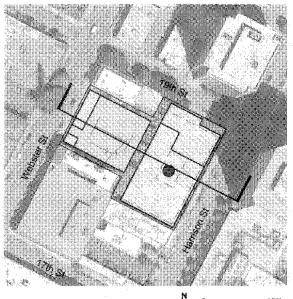
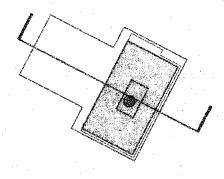




Figure 22. Scenario 5 (Mixed Use Office, +/-85')

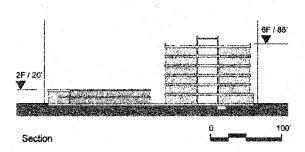




Site Plan / Ground Floor Plan



Podium Plan



#### Legend

Elevator Core

Plaza / Open Space

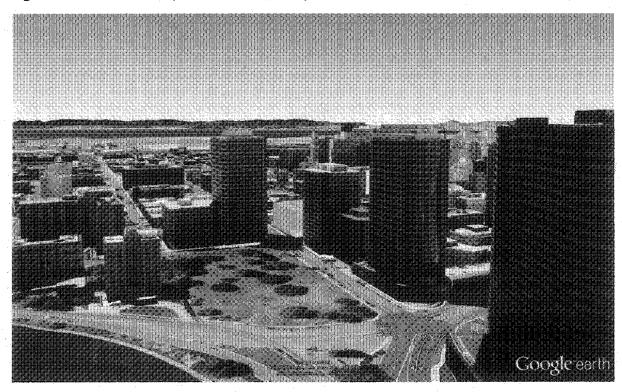
**Development Summary** 

Retail 11,000 sf

Office 145,900 sf

Parking 30,400 sf (86 spaces)

Figure 23. Scenario 5 In Situ (Mixed Use Office, +/-85')



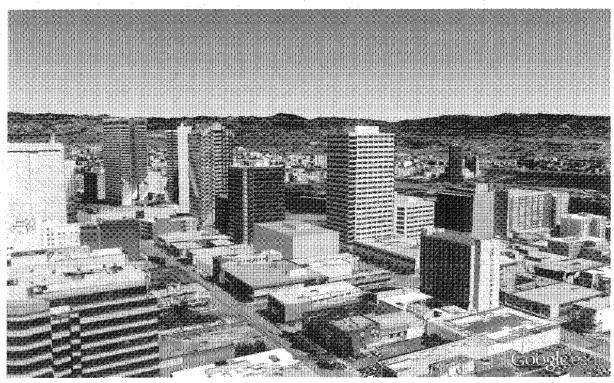
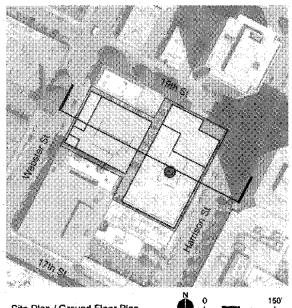
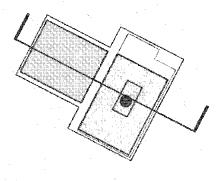


Figure 24. Scenario 6 (Mixed Use Office, +/-240')

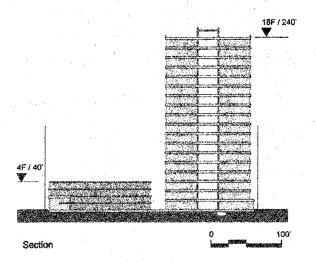




Site Plan / Ground Floor Plan



Parking Deck and Tower Plan



## Legend

**Elevator Core** 

Plaza / Open Space

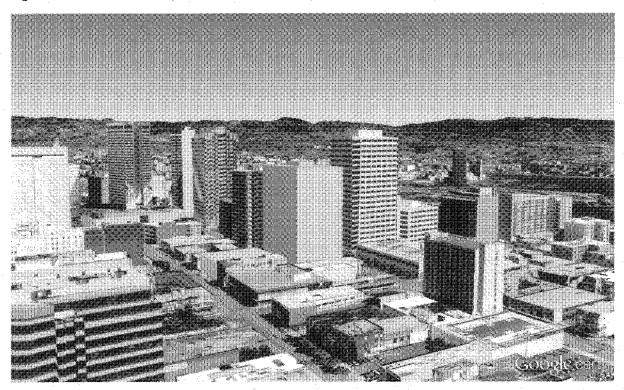
Development Summary

Retell 10,600 sf

Office 387,100 sf

Perking 68,600 sf (196 spaces)

Figure 25. Scenario 6 in Situ (Mixed Use Office, +/-240')



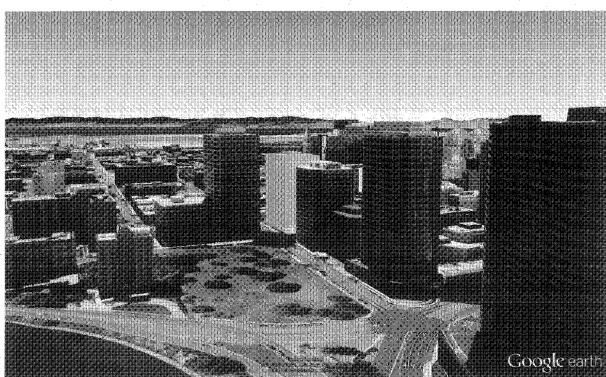
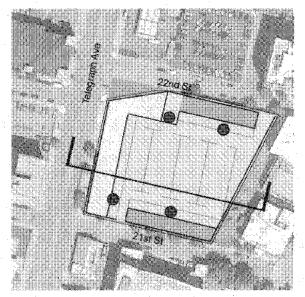
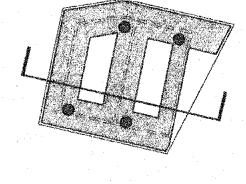


Figure 26. Scenario 7a (Mixed Use Residential with Parking, +/-65')

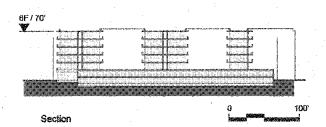




Site Plan / Ground Floor Plan



Podium Plan



## Legend

Elevator Core

Plaza / Open Space

**Development Summary** 

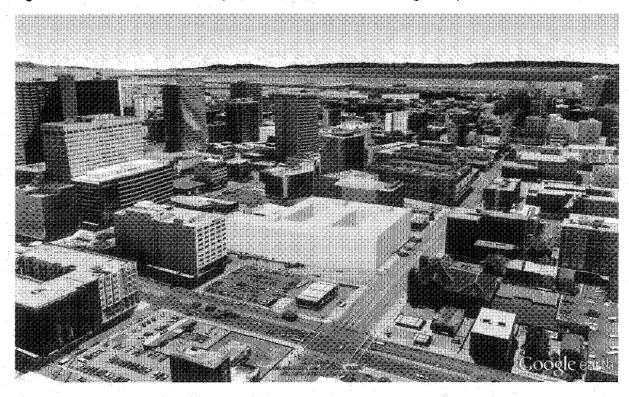
Retail 12,700 sf

Lyschilde / 11,300 sf

Residential 326,900 sf (323 units)

Farking 114,600 sf (337 spaces)

Figure 27. Scenarios 7a and 9 in Situ (Mixed Use Residential with Parking, +/-65')



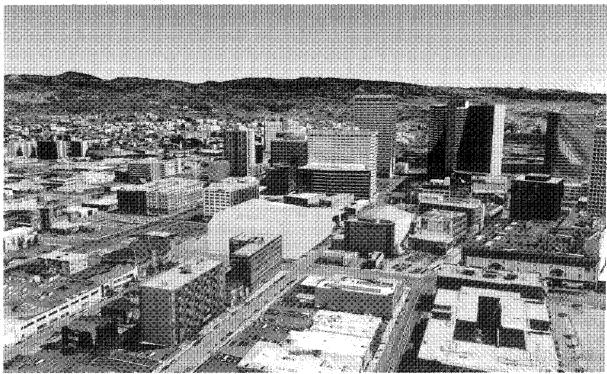
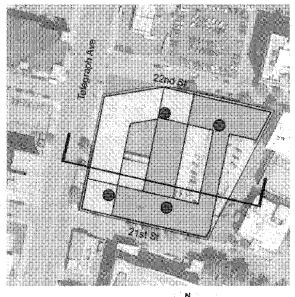
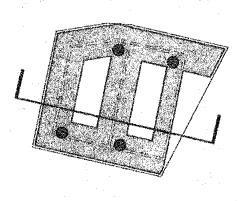


Figure 28. Scenario 7b (Mixed Use Residential without Parking, +/-65')

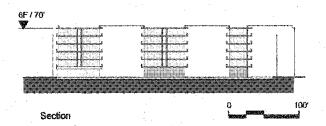




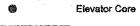
Site Plan / Ground Floor Plan



Podium Plan



#### Legend



Plaza / Open Space

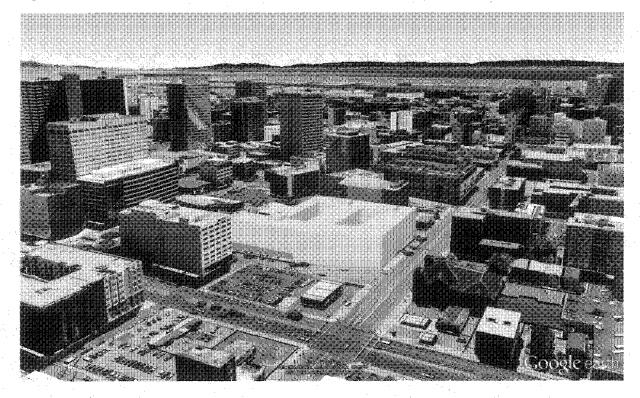
**Development Summary** 

Retail 16,200 sf

the work 240,000 sf

Residential 330,900 sf (323 units)

Figure 29. Scenario 7b In Situ (Mixed Use Residential without Parking, +/-65')



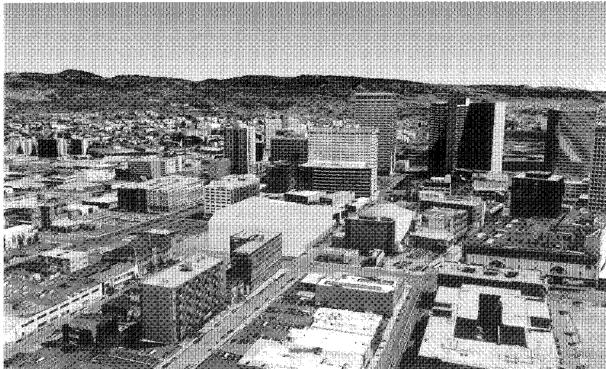
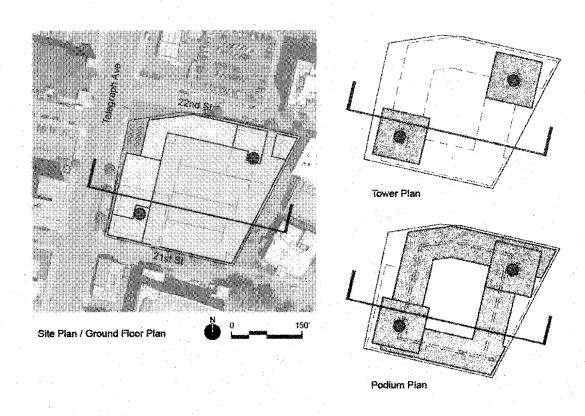
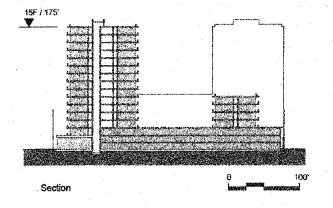


Figure 30. Scenario 8a (Mixed Use Residential with Parking, +/-175')





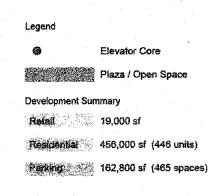
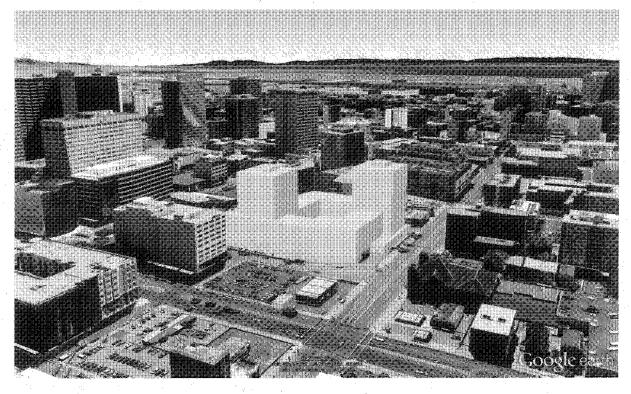


Figure 31. Scenario 8a in Situ (Mixed Use Residential with Parking, +/-175')



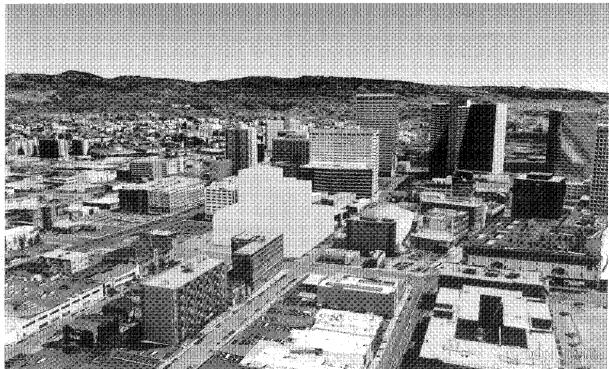
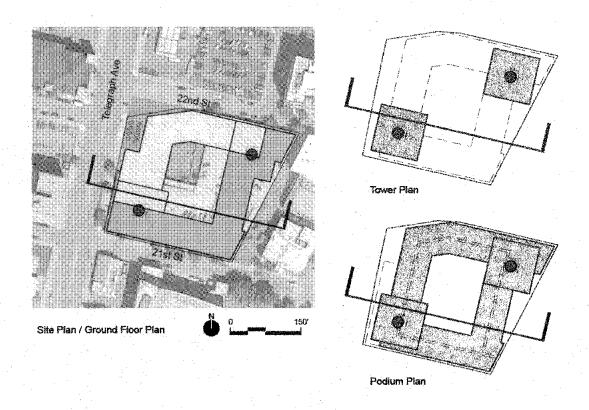
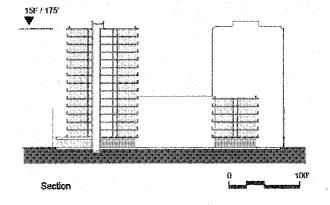


Figure 32. Scenario 8b (Mixed Use Residential without Parking, +/-175')





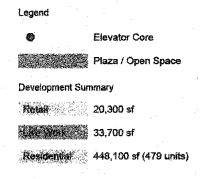
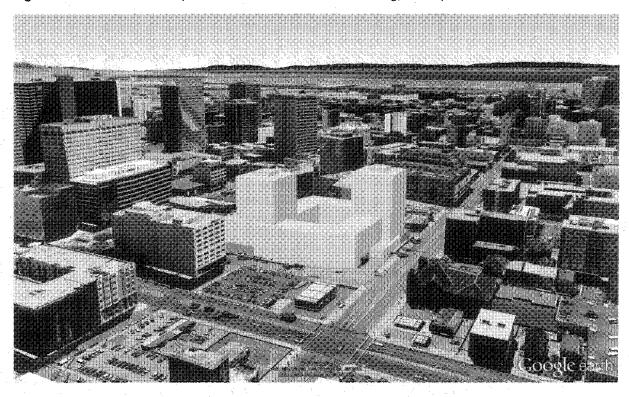
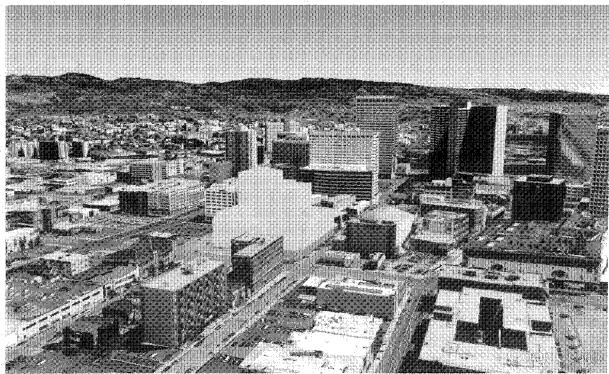


Figure 33. Scenario 8b in Situ (Mixed Use Residential without Parking, +/-175')





AECOM

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## 4. Development Assumptions

This section presents the relevant real estate market assessment and development assumptions that will be used in this study. The following assumptions were developed based on a review of current Oakland development feasibility reports, provided by the City; detailed interviews with developers active in Oakland; external data sources; and input from internal AECOM architecture and costing groups on typical planning, architecture, construction cost, and economic parameters. The following tables summarize the proposed development assumptions.

Many assumptions, such as floor heights, efficiency ratios, property tax assumptions, and architecture and engineering costs are based on typical industry standards. Meanwhile, other inputs such as land values, soft costs, and revenue assumptions are adjusted to reflect Oakland's market conditions.

**Table 4. Basic Building Assumptions** 

		State Printer	Sources
Ground Floor Height	15.0	Feet	AECOM; Developer Interviews
Average Retail/Office Floor Height	13.5	Feet	AECOM; Developer Interviews
Average Residential Floor Height	10.0	Feet	AECOM; Developer Interviews
Average Residential Unit Size (Nét)	850	Square Feet	AECOM; Developer Interviews
Average Live/Work Loft Unit Size (Net)	1300	Square Feet	AECOM
Average Parking Space Size	350	Square Feet	AECOM; Developer Interviews
Efficiency Ratios			
Retail	90%	Net as % of Gross	AECOM; Developer Interviews
Office	90%	Net as % of Gross	AECOM; Developer Interviews
Residential	85%	Net as % of Gross	AECOM; Developer Interviews
Parking Ratios			
Retail	0.5	/ 1000 SF	AECOM; Developer Interviews
Office	0.5	/ 1000 SF	AECOM; Developer Interviews
Residential	1 or 0	/ Residential Unit	AECOM; Developer Interviews, City

Sources: Individual sources indicated in table

On the development side, key feasibility factors include building and parking construction costs. Parking alone can run upwards of \$30,000 to \$50,000 per space, depending on the type of construction or parking system.

Developers and AECOM's internal building costing group also acknowledge that there is a wide range of construction costs. For example, for a 65' residential building, hard costs range from a low of approximately \$220 per building square foot to as high as \$380 per square foot. There are numerous reasons for the variability, including the complexity and constructability of the site, whether it includes prevailing wage requirements, the quality of finishes envisioned, and contractor competitiveness. For the purposes of this study, a relatively favorable construction cost estimate has been applied. However, the sensitivity of

development inputs will be evaluated in the pro forma analysis (in the Development Sensitivity Analysis section on page 55) to understand the relative impact on the underlying development feasibility.

**Table 5. Hard Cost Assumptions** 

			Soarces
Site Preparation Costs			
Land Cost	\$50.00	/Square Foot	Strategic Economics Lake Merritt Station Area Plan Community Benefits Analysis
Demolition Cost	\$5.00	/Square Foot	AECOM
Site Work Cost	\$5.00	/Square Foot	AECOM
Construction Costs from Development Scenarios		*	
LEED Adjustment Factor	3%		
65' Base	3.1 2.1		
Retail (Ground Floor)	\$250	/Square Foot	
Residential (Floors 2-6) - Rental	\$250	/Square Foot	
Residential (Floors 2-6) - Condo	\$260	/Square Foot	
85' Base			
Retail (Ground Floor)	\$280	/Square Foot	
Office (Floors 2-6)	\$280	/Square Foot	
175' Tower			a - Allen a Banka Santa a santa a santa a santa a
Retail (Ground Floor)	\$275	/Square Foot	AECOM, Developer Interviews
Residential (Floors 2-15)	\$275	/Square Foot	
240' Tower			
Retail (Ground Floor)	\$265-275	/Square Foot	
Office (Floors 2-18)	\$275	/Square Foot	
Residential (Floors (2-21)	\$265	/Square Foot	
Parking Costs			아이는 물리가 되지 않고 그래? 하다.
Podium Parking - Half Below Grade	\$20,000	/Space	
Podium Parking - Ground Floor / Above Grade	\$20,000	/Space	
Podium Parking - Mechanical System	\$30,000	/Space	

**Table 6. Soft Cost Assumptions** 

en kungusun andaran Armani.		unit	Sources
Architecture & Engineering			
65' Base	7.5%	of Hard Costs	RS Means
85' Base	7.0%	of Hard Costs	RS Means
175' Tower	6.5%	of Hard Costs	RS Means
240' Tower	5.0%	of Hard Costs	RS Means
Financing Costs			
Construction Loan	70%	Loan to Cost	Developer Interviews, Commercial Real Estate Lender Interviews
Interest Rate	5.50%	of Cost	Developer Interviews, Commercial Real Estate Lender Interviews
Construction Term		Varies by size of the project	AECOM
Construction Term- 65' and 85' Buildings	18	Months	
Construction Term- 175' and 240' Buildings	28	Months	
Loan Points	0.5%		Developer Interviews, Commercial Real Estate Lender Interviews
Drawdown Factor	50%		AECOM, Developer Interviews
<u>Other</u>			
Property Taxes (including BID)	1.25%	of Total Costs	Alameda County Property Tax register
Building/Permitting/Impact Fees			
Retail and Office	10%	of Total Costs	AECOM, Developer Interviews
Residential	\$20,000	/Unit	AECOM, Developer Interviews
Overhead/Other	3%	of Total Costs	AECOM
Contingency	5%	of Total Costs	AECOM
Defect Liability Insurance - Condo Only	2%	of Hard Costs	AECOM

**Table 7. Developer Threshold Assumptions** 

			Sources
Retail and Office Profit Requirements	10%	of Total Costs	Strategic Economics Lake Merritt Station Area Plan Community Benefits Analysis; Developer Interviews
Rental Profit Requirements	8%	of Total Costs	Strategic Economics Lake Merritt Station Area Plan Community Benefits Analysis; Developer Interviews
Condo Profit Requirements	9%	of Total Costs	AECOM

Sources: Individual sources indicated in table

Operating costs and revenue assumptions were similarly developed based on local market research, and by building on work previously done by Strategic Economics. Vacancy rates for building uses are based on current values as well as trends over the past 5 to 10 years.

**Table 8. Operating Costs Assumptions** 

	Number	Unst	Saurces (LL) (1) La (1) (1)
Retail/Office Broker Fees	5%	of Lease	AECOM
Condo Broker/Marketing Fees		of Unit Price	AECOM
Operating Expenses			
Retail	\$0.10	/Gross Sq. Ft.	AECOM; Developer Interviews
Office Full Service Lease Costs	\$0.60	/Gross Sq. Ft.	AECOM; BOMA; Developer Interviews
Rental Residential	28%	of Gross Rental Revenue	Strategic Economics Lake Merritt Station Area Plan Community Benefits Analysis; Developer Interviews
Vacancy Rates (Stabilized)			
Retail	10.0%	of Net Sq. Ft.	AECOM (CoStar)
Office	10.0%	of Net Sq. Ft.	AECOM (CoStar)
Residential	5%	of Net Sq. Ft.	AECOM (CoStar)

Revenue assumptions are based on rates for similar developments in Downtown Oakland, adjusted slightly upwards to reflect the premium that new developments can charge in a market. The average rate of \$2.90 per square foot translates to an average rent for 1 bedrooms of \$2,195, and an average rent across all units of \$2,300. This rental rate reflects market research as of August 2013, and does not include parking rental. Some of the higher end buildings surveyed present all-in rents, which include parking. For this feasibility study, parking rental is estimated to add an additional \$0.15 per square foot to the rental revenue, resulting in a total average rental rate of \$3.05 per square foot for buildings with parking.

In order to reflect variation in the market across Downtown Oakland, three different rental revenue prices are applied to the three developments, based on their location. The 13<sup>th</sup> Street site is evaluated with rental revenues at 90 percent of area average, the 19<sup>th</sup> Street site at 100 percent of area average, and the Telegraph Avenue site at 110 percent of the area average (Table 9, Table 10).

Table 9. Rental Rates for Units Across the Three Development Sites

Und Type	Current Est mates Downtown Daviered Rent			TATES TO S
1 BD / 1 BA	\$2,195	\$1,940	\$2,170	\$2,390
2 BD / 2 BA	\$2,797	\$2,940	\$3,280	\$3,620
3 BD / 2 BA	\$3,896	\$4,070	\$4,540	\$5,010
Average	\$2,300	\$2,210	\$2,460	\$2,720

Source. AECOM

In addition to the rental rate variations at the three sites, this study also assigns a 10 percent rental premium to high-rise tower units, which benefit from views not available to lower buildings.

**Table 10. Revenue Assumptions** 

	Jack	Sources
	And London Marcold Control and Martin and Martin and London States and Control and Control and Control and Con	
\$25.00	/SF/mo:/NNN	AECOM (CoStar)
\$32.00	/SF/mo./Full Service	AECOM (CoStar)
\$2.90	/SF/Mo.	AECOM (August 2013)
\$1.60	/SF/Mo.	AECOM
110%	/SF/Mo.	AECOM; Developer Interviews
\$120	/Space/mo.	AECOM
\$90	/Space/mo.	AECOM
	1	
\$20.00	/SF/mo:/NNN	AECOM; Developer Interviews
\$25.60	/SF/mo./Full Service	AECOM; Developer Interviews
\$2.60	/SF/Mo.	AECOM; Developer Interviews
\$1.40		AECOM
*.		
\$120	/Space/mo.	AECOM
\$90	/Space/mo.	AECOM
-		
\$20.00	/SF/mo./NNN	AECOM; Developer Interviews
\$25.60	/SF/mo./Full Service	AECOM; Developer Interviews
\$2.90	/SF/Mo.	AECOM; Developer Interviews
\$1.60		AECOM
\$120	/Space/mo.	AECOM
\$90	/Space/mo.	AECOM
\$27.50	/SE/mo /NNN	AECOM; Developer Interviews
		AECOM; Developer Interviews
		AECOM; Developer Interviews
	701 Miles	ALGOM, Dovolopor interviews
\$500		
\$1.80	/SF/Mo.	AECOM; Developer Interviews
\$420	/SF	AECOM
£120	/Snacolmo	AECOM
	•	AECOM
φ20,000	7 Opace	AECOM
		Charles Commiss Lates Marrist Chatian
7.50%	Cap Rate	Strategic Economics Lake Merritt Station Area Plan Community Benefits Analysis
		Korpacz 2010 4Q report - San Francisco
7.50%	Cap Rate	Office Market Cap Rate
5.00%	Can Pate	CONTROL OF THE CONTRO
	<del>-</del>	Strategic Economics Lake Merritt Station
	*	Area Plan Community Benefits Analysis;
180	Units / Year	Developer Interviews
100	Units / Year	AECOM
	\$32.00 \$2.90 \$1.60 110% \$120 \$90 \$25.60 \$2.60 \$1.40 \$120 \$90 \$25.60 \$2.90 \$1.60 \$120 \$90 \$1.60 \$120 \$90 \$1.60 \$120 \$90 \$1.60 \$1.80 \$420 \$1.80 \$1	\$32.00 /SF/mo./Full Service \$2.90 /SF/Mo. \$1.60 /SF/Mo. 110% /SF/Mo.  \$120 /Space/mo. \$90 /Space/mo. \$20.00 /SF/mo./NNN \$25.60 /SF/mo./Full Service \$2.60 /SF/Mo. \$1.40  \$120 /Space/mo. \$90 /Space/mo. \$120 /Space/mo. \$90 /Space/mo. \$120 /Space/mo. \$20.00 /SF/mo./Full Service \$2.90 /SF/Mo. \$1.60  \$120 /Space/mo. \$2.90 /SF/Mo. \$1.60  \$120 /Space/mo. \$27.50 /SF/mo./Full Service \$3.20 /SF/mo./Full Service \$3.20 /SF/mo./Full Service \$3.20 /SF/mo./Full Service \$3.20 /SF/Mo. \$500 \$1.80 /SF/Mo. \$500 \$1.80 /SF/Mo. \$420 /SF  \$120 /Space/mo. \$27.50 /Space/mo. \$20,000 / Space  7.50% Cap Rate

# 5. Feasibility Analysis

The following section reviews the detailed findings of the feasibility analysis and addresses the topics identified in the introduction.

The results of all pro forma analyses are provided in Appendix A.

The three Downtown Oakland sites evaluated range in size from 1.3 acres to over 2 acres. Given the large site sizes and convenient configuration, the evaluated scenarios reflect some of the more ideal development options in Downtown Oakland. As such, the findings presented in this report reflect optimistic potential. Smaller, more difficult sites are likely to be even less feasible. This finding is supported by the analysis done previously by Strategic Economics in the Lake Merritt Station Area Plan Community Benefits Analysis Memorandum (December 2012).

Unless otherwise noted, the results presented below reflect the all scenarios except development scenario 1c. Feasibility of scenario 1c is reviewed at the bottom of this page, and in Figure 49.

#### QUANTIFIED BONUS AND BENEFITS OVERVIEW

After accounting for developer profit (of 8% on rental residential projects, 9 % on the condominium project, and 10% on commercial projects), the fifteen projects generate revenues of up to +\$14.0 million, and losses of as much as -\$95.3 million, or +150 to - \$1,645 per square foot of land (Table 11, Figure 34). For residential scenarios, additional return per GFA, or "public benefit value" per GFA ranges from +\$27 to -\$91 (per square foot), while for office developments, the losses increase (and potential for public benefits decrease) to -\$204 to \$-227 per square foot (Table 11, Figure 35). These values indicate how much revenue above or below the breakeven point (after accounting for developer profit) a development would generate, or need to collect to be attractive to a developer/investor, and to allow for potential public benefit charges.

The five feasible scenarios, generate between \$129 and \$33,000 in additional revenue per unit. For the eight currently infeasible residential developments, there is an estimated gap of approximately -\$97,000 to -\$5,000 per unit, with scenario 2a (high-rise, parked residential on 13<sup>th</sup> Street) being the least feasible on a per unit measure. The average for all residential sites is roughly \$21,500 per unit (Figure 36). For the 13<sup>th</sup> Street and 19<sup>th</sup> Street development sites, the average drops to -\$47,000 per unit, a direct result of the lower estimated rental revenue rates applied to the scenarios.

These additional revenue calculations assumed a \$50 per square foot land cost. It is worth noting that land prices vary considerably from site to site in Downtown Oakland based on a number of factors, including the existing returns of the property, the landowner's perception of value, the landowner's appetite for risk, and the landowner's interest in selling in general. Under a zero land value scenario, all of the residential scenarios on the Telegraph site, as well as three scenarios on the 19<sup>th</sup> Street site would become feasible.

Scenario 1c represents a potential Chinatown development in which land is granted free of charge by a public agency, and the construction relies on a modular approach, resulting in 15% construction cost savings. Accounting for developer profit, despite its cost savings advantages, scenario 1c still does not break even.

Table 11. Feasibility Analysis Summary

I MARKET 11. T	eastunity Anarysis	Outsing									
Scenario	Site	Mixed Use (Retail / &)	Ture Destraction Costs	Tate Capties o Revised	Reflection Reflection Develops Profes Street to d			anteni Esteratu Esteratu Esteratu		And the second s	
1a	<u> </u>	Residential	\$83,761,400	\$74,309,195	-\$16,153,115	-\$55	11	-\$970	13	-\$80,766	11
15	000 600 600 0	Residential	<b>\$91</b> ,932,796	<b>\$</b> 78, <b>94</b> 4,773	-\$20,342,646	\$78	13	-\$1,477	14	-\$87,914	12
1c**	226 13th <b>Street</b>		\$69,702,102	\$74,309,195	\$939,074	-\$3	7	-\$58	7	-\$4,845	8
2a°		Residential	\$165,689,011	\$1 <b>43,</b> 582,545	-\$35,381,586	-367	12	-\$2,125	15	-\$96,936	14
2b*		Residential	\$189,989,121	\$162,246,330	-\$42,9 <b>20,</b> 330	-391	14	-\$5,961	16	-\$95,276	13
Зе		Residential	\$74, <b>8</b> 93,653	\$80,907,685	\$22,540	\$0	5	\$2	5	\$129	5
3b		Residential	<b>\$8</b> 9,046,8 <b>5</b> 0	\$95,196,730	-\$972,788	-\$4	8	\$70	8	-\$4,364	7
48*	301 19th Street	Residential	\$108,584,793	\$114,773,803	-\$2,497.773	-\$7	9	-\$194	9	-\$10,164	9
4b*	501 1601 (3800)	Residential	<b>\$108,076</b> ,317	\$115,920, <b>11</b> 6	-\$802,305	-\$3	6	-\$44	8	-\$3,075	6
5		Office	<b>3</b> 63,947,684	\$27,810,208	-\$42,532,244	-\$227	16	-\$301	11		
6*		Office	\$157,163,681	\$77,570,221	-\$95,309, <b>8</b> 28	-\$204	15	-\$266	10		
7a		Residential	\$136,148,553	\$158,054,611	\$11,014,173	\$24	3	\$964	1	\$33,337	1
7b	2100 Telegraph	Residential	<b>\$1</b> 39,917,771	\$160,996,028	<b>\$9,884,</b> 836	\$28	1	<b>\$</b> 678	4	\$28,311	3
<b>3</b> a⁺	Avenue and 495 22nd Street	Residential	\$195,237, <b>8</b> 99	\$224,898,474	\$14,041,543	\$22	4	\$821	2	\$31,483	2
8b*		Residential	\$207,468,588	<b>\$2</b> 37, <b>701</b> ,027	\$13,634,952	\$27	2	\$746	3	\$27,214	4
9		Residential - Condo	\$141, <b>75</b> 5,297	<b>\$15</b> 0, <b>16</b> 2,501	-\$4,350,772	-\$10	10	-\$381	12	-\$13,169	10

<sup>\*</sup> Indicates high-rise development

<sup>\*\*</sup> Scenario 1c represents a Chinatown development, with free land, and modular construction - representing a 15% savings in construction costs

<sup>&</sup>lt;sup>5</sup> Additional return takes into account the amount set aside as developer profit.

Figure 34. Comparison of Additional Return above Developer Profit Threshold (\$) by Scenario

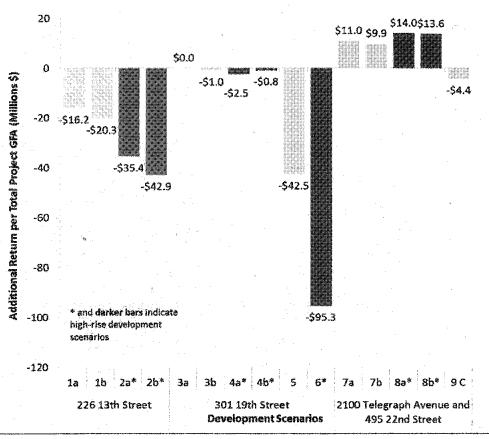
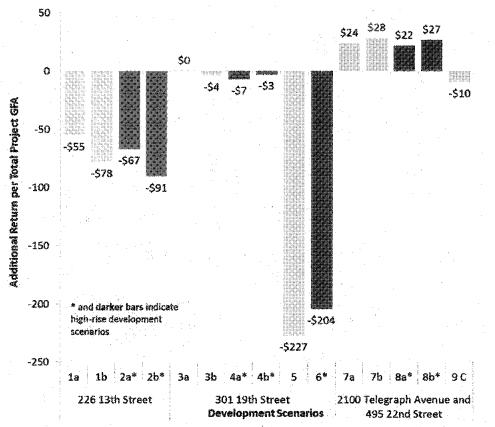


Figure 35. Comparison of Additional Return (\$) per GFA by Scenario



40,000 \$31,483 20,000 \$129 Additional Return per Residential Units -\$10,154 Scenarios 5 and 6 -\$13,169 -20,000 do not have residential units, and thus do not have a -40,000 benefit/unit calculation -60,000 -80.000 -\$80,766 \* and darker bars indicate -100,000 high-rise development -\$96,936 scenarios -120,000 2a\* 2b\* 226 13th Street 2100 Telegraph Avenue and 301 19th Street **Development Scenarios** 495 22nd Street

Figure 36. Comparison of Additional Return (\$) per Unit by Scenario

Source: AECOM

## HEIGHT-RELATED DEVELOPMENT BONUSES

Under current market conditions, development bonuses only work as a tool to generate public benefit in premium rental revenue locations (Telegraph Avenue). For the other sites, average area rents will need to increase by another 10 percent, holding all other costs constant, in order to support height-related bonuses. For residential developments, the significant cost differential between low-rise (Types III & V) construction and high-rise (Type I) construction would not be recovered by rental rates, even with a development bonus. Office lease rates, which are currently lower than residential rates per GFA, make this offer even less attractive.

#### LOW-RISE RESIDENTIAL FEASIBILITY

The Telegraph Avenue scenarios highlight the importance of premium rents, supported by location, in encouraging development. For the four feasible residential scenarios on the Telegraph Avenue site, high-rise developments generate roughly 30 percent more additional return than the low-rise scenarios, indicating that once projects tip the scale into feasibility, high-rise quickly begins to outpace low-rise, offering potential for community benefits.

#### HIGH-RISE RESIDENTIAL FEASIBILITY

As discussed earlier, rents would need to increase by up to 30 percent on the 13<sup>th</sup> and 19<sup>th</sup> Street sites (holding construction and other costs constant) to compel developers to consider high-rise above low-rise development.

On the Telegraph Avenue site, the rental rates (10 percent above market) already support development of high-rise over low-rise.

### PARKING-RELATED DEVELOPMENT BONUSES

The City currently has modest parking requirements for new residential and commercial development. Residential multi-family developments require one parking space per unit, while retail and commercial developments have no parking requirements.

In order to evaluate the impact of the City's parking provision requirements on development feasibility, paired residential scenarios were developed in which one development provides a 1:1 parking ratio per unit, and another provides a 0:1 parking ratio per unit. It is important to note that interviews conducted with developers during this project indicate that a no-parking scenario is unlikely to be explored, as it does not reflect market conditions and competitive development strategies.

The paired parking scenarios indicate that while parked developments generate less revenue than non-parked scenarios (on average, 7 percent less), they also have lower development costs (on average, 8 percent less), making them more profitable. The parked scenarios recovered an average of 102 percent of project costs in revenue, while non-parked scenarios are only able to recover 98 percent of its project costs (before developer profit). In today's market, such margins make the difference between feasible and non-feasible projects.

It is important to note that in a previous version of this study, scenarios with *reduced* parking ratios, less than 1:1 were evaluated. In some cases, these scenarios were slightly more profitable than either the 1:1 parked scenarios or the 0:1 non-parked scenario. It's clear that there is an optimal middle ground in providing parking that may provide, given improved market conditions, an opportunity for development bonus. This is due, in part, because while parking may be, at times, a limiting factor in the number of residential units allowed to be developed, non-parked scenarios generally have an overall smaller floor plate, as area in between taller buildings is unusable as residential.

Parking configuration can be very site specific and allowing for flexibility in the provision of parking can increase development feasibility. Parking costs are considerably lower in a tuck-under parking environment rather than a multi-story parking solution. Underground parking can cost upwards of \$30,000 per space in hard costs and over \$50,000 per space total. Developers that are able to introduce lifts and stay at a ground level parking configuration save considerably more than developers forced to build multilevel parking structures either above or below ground. Also, stand-alone parking structures are significantly cheaper per square foot than structured parking within a given building due to the structural requirements needed for in-building construction.

As a result, non-parked scenarios have on average 15 percent smaller GFAs than the parked scenarios. By reducing the parking requirement, but not eliminating it all together, developers would be able to take advantage of useless space, converting it to parking on the lower levels, generating some additional amount of revenue. Unfortunately, given the nature of this analysis, the exact ideal parking ratio varies for each development and site, and is not standardized.

## Community Benefits and On-site Public Amenities

At current market levels, the provision of a community benefit, or on-site public amenity, is really only possible for a premium site, premium rental rate scenario.

In the event that the scenarios become feasible, Figure 37 highlights the average capitalized opportunity cost per square foot, to indicate what fee might be charged if developers are granted additional development rights. The opportunity cost here is defined as the total amount of revenue expected from a given square foot of building based on the capitalization rate associated with the building use (i.e. annual revenue / capitalization rate). The opportunity cost figure indicates how much revenue a developer can expect per square foot given and how much revenue a developer would forego by giving up a square foot of space, and therefore informs

how many square feet of building space a developer might be willing to provide as a community amenity, under a feasible development scenario, or how much money a developer might be willing to provide to receive additional development bonuses.

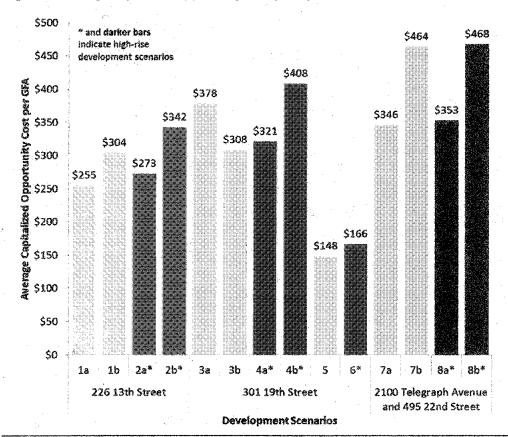


Figure 37. Average Capitalized Opportunity Cost per Square Foot

Source: AECOM

While the figure above represents average opportunity costs, these costs vary significantly depending on which use area of a development is being evaluated. While residential rental and commercial lease rates tend to be higher, the opportunity cost for parking is much lower, averaging between \$50 and \$60 per square foot. This parking opportunity cost represents less than 20 percent of the opportunity cost of residential space, and roughly 30 percent of office space — due directly to the reduced amount of revenue that parking generates compared to a square foot of residential or office space. Again, this indicates that when it comes to developing an on-site community amenity, space that would be otherwise used as parking is much more affordable to provide than otherwise tenanted spaces.

## DEVELOPMENT SENSITIVITY ANALYSIS

Due to the wide variance in development costs, revenues, and building scenarios, a sensitivity analysis was conducted to determine whether the proposed projects' feasibility and public benefit capacity would be affected by changes in the market. Five aspects of project feasibility as well as one combination scenario were reviewed:

- 1. Construction costs (+/- 15%)
- 2. Developer thresholds (+/- 15%)

- 3. Project revenues (+15%, +30%)
- 4. Decrease of construction costs by 15%, and an increase in project revenues by 15%
- 5. Land values discussion

The values associated with the sensitivity ranges are summarized in Appendix B in Table 13 - Table 15. In each of the following sections, 100 percent reflects the value of each input assumed in the original baseline feasibility analysis.

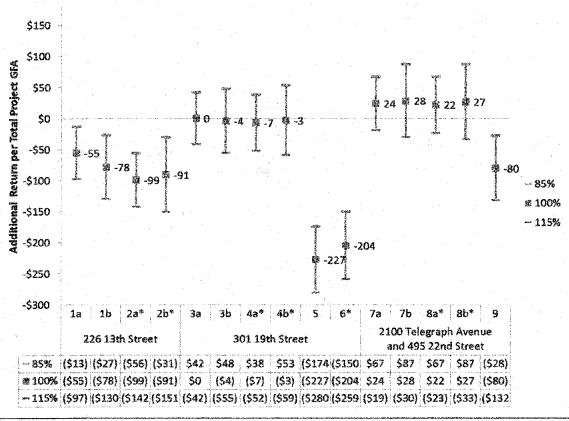
In general, marginal changes in costs, profit, and revenue do not significantly alter the viability of the reviewed scenarios. As the most feasible of the fifteen scenarios, the feasibility of the three residential developments on the Telegraph Avenue site are most affected by changes in the market conditions.

#### PROJECT CONSTRUCTION SENSITIVITY

As discussed under the development assumptions, construction costs can vary considerably from site to site. AECOM modeled variances of up to 15 percent to consider potential changes in development feasibility. The results reflect the developments' susceptibility to construction cost changes, and the importance of location.

These results support the initial findings that the Telegraph Avenue residential site is most viable. While a 15 percent increase in costs would render all projects infeasible, a 15 percent decrease in costs results in the Telegraph Avenue as well as the 19<sup>th</sup> Street sites generating profit and potential for community benefit charges (Figure 38).

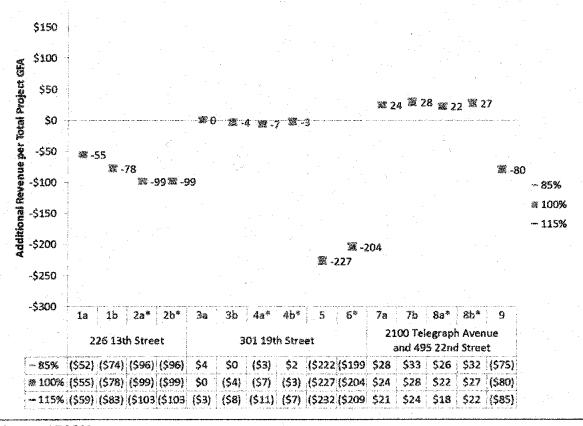
Figure 38. Impacts of Construction Costs on Additional Revenue per GFA



#### DEVELOPER THRESHOLD SENSITIVITY

The expected developer return for the scenarios range from 10 percent for office developments to 8 percent for rental residential. As discussed earlier, developers have different thresholds in considering a site for development. Adjusting these profit assumptions up and down by 15 percent<sup>6</sup> (Appendix B - Table 14) has minimal impacts on overall project feasibility and the expected amount available for public benefits. The change in the amount "available" for public benefits per building GFA also stays within +/- 5 percent of the original value (Figure 39) for most sites.

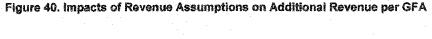
Figure 39. Impacts of Developer Threshold on Additional Revenue per GFA

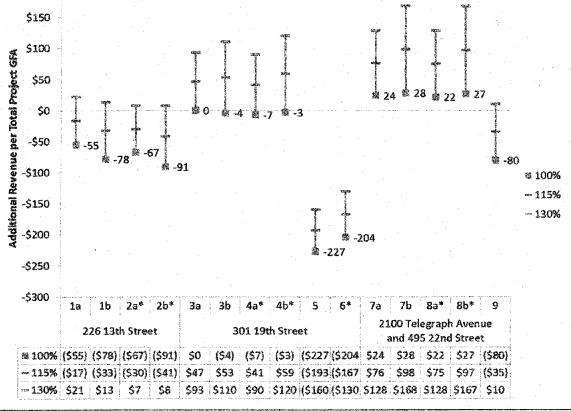


<sup>&</sup>lt;sup>6</sup> For residential projects, the change is a lower developer threshold of roughly 7 percent and higher developer threshold of 9 percent.

#### REVENUE SENSITIVITY

Of the three input categories reviewed, adjustments in revenue assumptions (Appendix B - Table 15) have the largest impact on development feasibility and the potential for public benefit contributions. A 15 percent increase in revenue renders not only the Telegraph Avenue development site feasible, but also all of the average-rent 19<sup>th</sup> Street development scenarios. . A 25 to 30 percent increase in revenue (with all other costs being held constant) brings the Telegraph Avenue condominium project as well as the two low-rise residential developments on the 13<sup>th</sup> Street site within range of viability (Figure 40). This translates to a rent of \$3,400 to \$3,600 for an average 2 bedroom/2 bath apartment of roughly 1,130 square feet – up from an average rent of \$2,800 for a similar unit today. Note that a 30 percent increase in rents over the next three years is a possibility considering the rate of rent inflation in the larger metropolitan area. In Alameda County overall, rents have increased at approximately 8 percent per year for the last two years. Most recent estimates show rents increasing by roughly 5 percent in the East Bay since January of this year.





Source: AECOM

http://www.cibtanariments.com/images/reports/CT\_East\_Bay\_Multifamily\_Q2\_2013\_Report.pdf

<sup>&</sup>lt;sup>7</sup> Cassidy Turley 1<sup>st</sup> Quarter 2013 Apartment Market Report (Accessed June 10, 2013), <a href="http://www.cibtapartments.com/images/reports/ApartmentMarketReportQ1-13.pdf">http://www.cibtapartments.com/images/reports/ApartmentMarketReportQ1-13.pdf</a>; Cassidy Turley 2<sup>nd</sup> Quarter 2013 Apartment Market Report (Accessed August 18,2013),

#### CONSTRUCTION COSTS AND PROJECT REVENUES

In addition to the impacts of individual assumptions presented above, the combined impact of a decrease in construction costs by 15 percent and an increase in project revenue by 15 percent was evaluated. This analysis is meant to reflect what may be closer to anticipated market conditions in the coming months. The scenario results in all rental residential scenarios becoming feasible. These favorable conditions also reflect a tipping point between the feasibility of low-rise against high-rise as well as the point where a no-parking scenario becomes more attractive than a parked scenario.

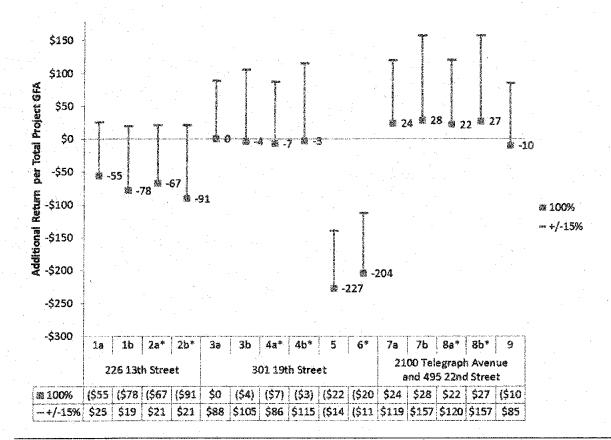


Figure 41. Impacts of Decrease in Construction Costs (85%) and Increase in Revenue (115%)

Source: AECOM

#### LAND VALUES

With land valued at an average price of \$50 per square foot, land for the fifteen projects represents between 2 and 5 percent of the total project costs. If the cost of land were eliminated entirely (\$0 per square foot), all of the five Telegraph Avenue development scenarios would become feasible, with between \$0.5 to \$4.5 million becoming "available" as additional revenue about the developer profit threshold. The 13<sup>th</sup> and 19<sup>th</sup> Street sites would remain infeasible. If the land value were doubled, to \$100 per square foot, to a value closer to what developers suggested might be charged in premium locations, the feasibility drops significantly, with even the most "feasible" development scenario, 7a on the Telegraph Avenue site experiencing an increase in *in*feasibility by \$6 million. Such an increase would push development feasibility in Downtown Oakland off by many more years.

### DEVELOPMENT THRESHOLDS FOR PUBLIC AMENITIES

Summarizing the lessons learned from the above analyses, the following section outlines the revenue conditions under which residential and office uses will become profitable, as well as estimates of when such developments might become feasible, given projected revenue and construction cost trends.

#### RESIDENTIAL USES

For residential developments, excepting particularly ideal locations (such as the Telegraph Avenue site) that may command higher rental rates, high-rise (type I) construction will not currently generate adequate returns to support a public amenity. Among low-rise development, variations in site area do not appear to affect the project's viability or ability to support a public amenity.

For residential developments, excepting particularly ideal locations (such as the Telegraph Avenue site) that may command higher rental rates, high-rise (type I) construction will not currently generate adequate returns to support a public amenity. Among low-rise development, variations in site area do not appear to affect the project's viability or ability to support a public amenity.

As noted previously, with all else held constant, premium location scenarios (Telegraph Avenue) could currently support a public benefit fee or community amenity request for high-rise projects. Scenarios that command lower rents, however, need revenues to rise by as much as 30 percent to justify the higher cost of high-rise development. This indicates that while a public benefit fee associated with high-rise development may not yet be a solution for all sites, it is becoming viable at key locations in Downtown.

#### OFFICE USES

Because office is currently less feasible than residential, no thresholds for public amenity support were found. Office lease revenue would need to increase by between 85 and 105 percent (assuming stable assumptions) to consider charging a public benefit fee.

### PROJECTED DEVELOPMENT FEASIBILITY

In order to understand the point at which developments in Downtown Oakland are expected to become feasible, and thus support the potential for a development bonus or community benefit, an analysis of capitalized income over time was prepared. The analysis (Table 12) projects revenue and construction cost growth rates forward, holding all other assumptions and variables constant.

Table 12. Projected Growth Rates for Feasibility Assessment

	Year-over-Year
Construction Index 1	3%
Rental Rate Increase 2	8% through 2014 4% from 2015 through 2023
Condominium Sales Increase 3	5%
Office Lease Rate Increase 4	4%

Source: AECOM; Engineering News Records Building Construction Index; Costar; Trulia

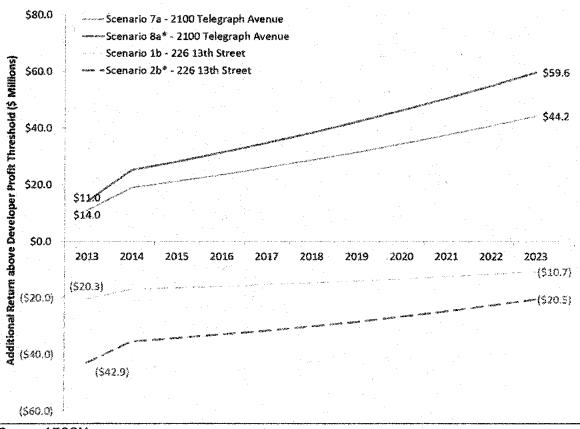
- 1/ Based on growth trends from Engineering News Records Building Construction Index
- 2/ Rental rate increase through 2014 reflects annual growth in past year. Increase expected to slow as additional housing stock enters
- 3/ Based on average annual change in sales per square foot in Oakland (2000 to August 2013)
- 4/ Based on lease trend data (2000 to 2013) and increased to reflect increasing supply constraints in adjacent markets

The following scenarios are compared over time to understand how changes in the market affect development type feasibility:

- Low-rise vs. high-rise residential developments (Figure 42)
- Low-rise residential scenario range, with and without parking development (Figure 43)
- High-rise residential scenario range, with and without parking development (Figure 44)
- Rental residential vs. condominium (ownership) development (Figure 45)
- Office low-rise vs. high-rise range (Figure 46)

Figure 42 highlights the difference between the most and least feasible low- and high-rise developments. As it is currently, the least feasible for both low- and high-rise scenarios are the 0:0 parking ratio developments. It should be noted again, that the 0:0 parking ratio is likely not marketable in a residential development. The figure also shows, that for the feasible Telegraph Avenue site, high-rise development has already passed the threshold into increased feasibility over low-rise, and will only continue to grow, as an increase in rents start to tip the scale towards larger residential developments. For the less-feasible scenarios, however, low-rise remains the preferred development type.

Figure 42. Projected Development Feasibility - Low-rise vs. High-rise



<sup>\*</sup> Light lines indicate low-rise developments, dark lines indicate high-rise developments. Solid lines indicate developments with 1:1 parking ratio, dashed lines indicate developments with 0:1 parking ratio

Among the low-rise scenarios, again, less competitive locations (13th Street), a projected increase in rents over the next ten years is not able to combat relatively lower rates, combined with rising construction costs (Figure 43). Interestingly enough, on the Telegraph Avenue site, a no-parking scenario becomes more attractive than a parked scenario within just three years, based on assumed growth rates. This indicates an opportunity for revisiting the use of parking regulations as a potential development bonus.

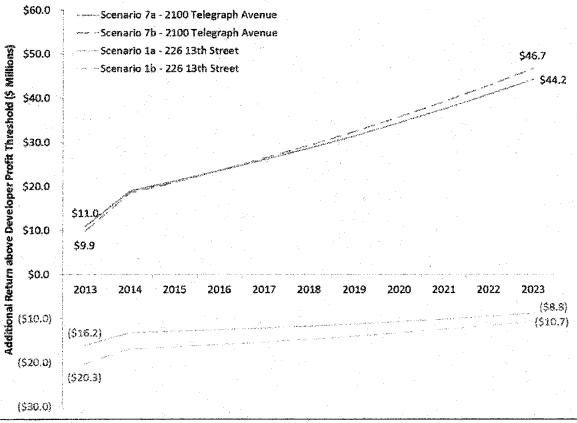


Figure 43. Projected Development Feasibility - Low-rise Scenario Range

<sup>\*</sup> Light lines indicate low-rise developments, dark lines indicate high-rise developments.

Solid lines indicate developments with 1:1 parking ratio, dashed lines indicate developments with 0:1 parking ratio

Among the high-rise scenarios, again, location and the ability to charge premium rents makes all of the difference (Figure 44). Again, on the Telegraph Avenue site, a no-parking scenario becomes more attractive than a parked scenario within less than two years, based on assumed growth rates. Unfortunately, for less competitive locations, this trajectory takes much longer, and a parking ratio bonus might take many more years to become an effective tool.

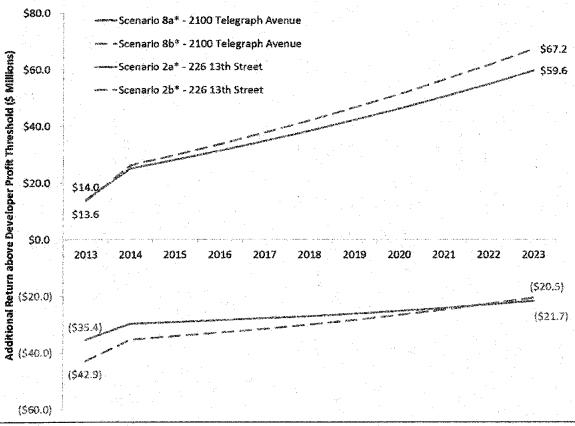


Figure 44. Projected Development Feasibility - High-rise Scenario Range

<sup>\*</sup> Light lines indicate low-rise developments, dark lines indicate high-rise developments.

Solid lines indicate developments with 1:1 parking ratio, dashed lines indicate developments with 0:1 parking ratio

While condominium properties are not supported in current market conditions, the projections indicate that, if current trends continue, even at somewhat conservative rates, for sale housing may begin to outpace rental housing as early as in the next five to ten years (Figure 45).

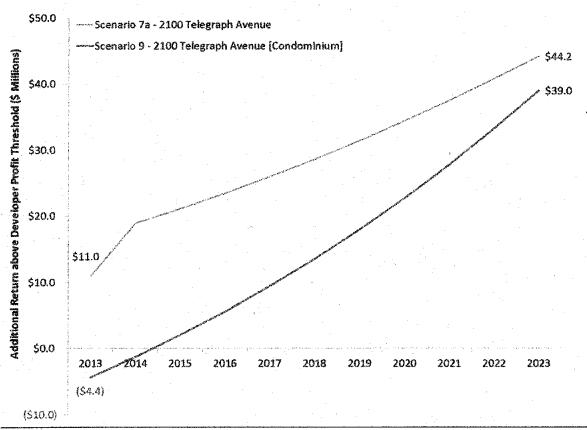


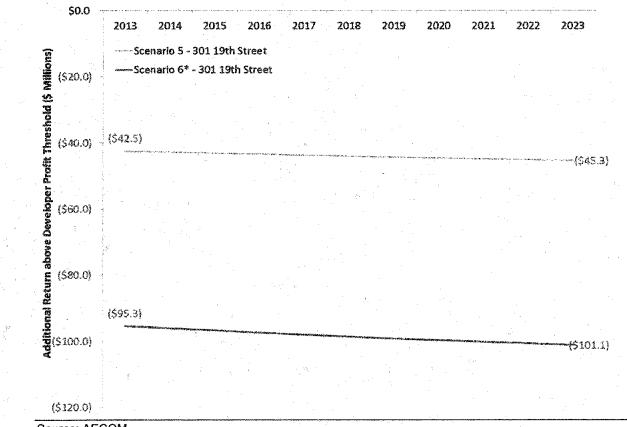
Figure 45. Projected Development Feasibility - Rental vs. Condominium

<sup>\*</sup> Light lines indicate low-rise developments, dark lines indicate high-rise developments.

Solid lines indicate developments with 1:1 parking ratio, dashed lines indicate developments with 0:1 parking ratio

Finally, given the challenging office market in Downtown Oakland over the previous years, even with an aggressive growth in lease rates compared to the past five and ten years (4 percent), office development in Downtown Oakland remains currently infeasible (Figure 46). Just as important, office rents continue to lag behind residential rents, which means that developers will be motivated to build housing over office if given an option.

Figure 46. Projected Development Feasibility - Office Scenarios



<sup>\*</sup> Light lines indicate low-rise developments, dark lines indicate high-rise developments.

## 6. Developer Strategies for Increasing Feasibility

The pro forma findings described above assume typical development inputs and average revenue assumptions for new product, be it residential, retail, or office. Developers are often challenged with project feasibility in the planning stage and use a number of strategies to improve the viability of a potential project. These include:

- Decreasing unit sizes for rental product to achieve higher rents per square foot. This works best in student markets but economizing on the square footage per bedroom in general can increase yield as rents are more driven by bedrooms than square feet.
- 2. Change the unit mix to increase the number of smaller units, which generally command higher rents per square foot. Studio and one-bedroom apartments have traditionally commanded higher rents per square foot than two- and three-bedroom apartments.
- Increase building efficiency and limit non-leasable area by reducing building circulation and
  assigning a share of non-leasable area to the tenant (i.e. traditionally only considered in
  commercial developments).
- 4. Reduce the parking to the extent feasible, recognizing that each parking space can cost more than \$25,000. Note that market constraints may limit the amount of parking a developer can reduce. If a project provides no parking, it often commands lower rents because the majority of middle- and high-income renters in the East Bay own cars.
- Reconfigure parking design to lift parking which –in certain cases- allows developers to
  accommodate parking at one level versus multiple levels that require additional circulation and
  associated costs.
- Actively manage and reduce construction costs through a number of methods such as in-house contractors, pre-negotiated building inputs, novel modular construction practices, and typical value engineering.<sup>8</sup>

Modular construction practices have already been explored by developers in San Francisco and throughout California. In 2012, Panoramic Interests built a 23-unit modular apartment building in San Francisco, which was subsequently purchased for an above-

- Partner with the landowner to reduce developer upfront costs, including financing, or a lower land cost, which could help make development more feasible.
- 8. Command premium rents above surrounding competition based on the quality of the product, design, and available amenities. For example, developers can often justify higher rents for view premiums of tower buildings. Assuming premium rents is a difficult strategy and overly optimistic assumptions can ultimately undermine the success of the project.

In most cases, developers are considering all of the above options -and more- in each project not only to maximize profitability, but also to justify the development to potential investors. Regardless, AECOM does not recommend considering these development exceptions in a public benefit analysis as it can overstate the potential benefit when many of these exceptions would not apply to a given project. Furthermore, projects can also have an equal if not greater chance of higher development costs than modeled due to landowner land value expectations, site configuration constraints, additional infrastructure needs, site clean-up requirements, entitlement constraints, increased financing requirements, escalating construction costs, and a number of other factors that can ultimately undermine the economic feasibility of a project.

asking price to be used as dorm rooms. "Small is beautiful for Patrick Kennedy's micro units." San Francisco Business Times, 7 June 2013. http://www.biziournals.com/sanfrancisco/blog/real-estate/2013/06/patrick-kennedy-to-sell-micro-units.html?page=all

Urban Core, a San Francisco developer, also has plans for a high-rise modular project in Downtown Oakland. According to CEO Michael Johnson, Urban Core expects to save roughly 10 to 20 percent in construction costs by using modular units. In addition to cost savings, Mr. Johnson has also noted that a reduced on-site construction schedule also leads to minimized neighborhood impacts from construction. Additionally, factory-constructed units have allowed for a greater range of finishes and materials, and provide greater construction precision. Urban Core is currently using a similar modular technology in a high-rise building in San Diego. Phone call with Michael Johnson of Urban Core. 16 September 2013.

### 7. Conclusion

This analysis clearly indicates that under current market conditions, development of both residential and office buildings remains challenging but are improving. While the findings of this study do not yet endorse public amenity charges in Downtown Oakland, it is important to keep in mind that developers are constantly reconsidering the feasibility of multifamily projects in the Downtown area. Under specific conditions and with certain development advantages, developers are finding ways to make their projects work. The findings also show that requiring public benefit payments on high rise development is unlikely to generate significant revenue in the next five years because it will remain more economically advantageous to build low rise residential. As market conditions improve, the potential for a public benefit fee or provision should be revisited.

To this end, the City should continue to monitor rental rates as well as construction cost fluctuations in Downtown Oakland to determine when such programs may become viable. Rental rates have grown at an average of 8 percent per year for the past two years in the East Bay<sup>9</sup> and such growth offers significant momentum for increase in development feasibility. Even since the beginning of this study, in February of 2013, the rate of change in the market has been unpredictable. While, on average, rental rates in the East Bay have increased roughly 4 percent in the past six months<sup>10</sup> some developments, such as the Grand in Downtown Oakland have increased rents by as much as 17 percent over the past six months.<sup>11</sup>

It should be noted, however, that as developers wait for market conditions in Oakland to improve enough to support new development, there are a few items that the City of Oakland can work on to simultaneously reduce risk and increase ease of development. Key improvements include:

- Developing a comprehensive development fee schedule to provide better economic certainty;
- Generating a development pipeline report to increase awareness of new projects and to allow for more predictable absorption;
- Improving planning staffing levels, and therefore adding responsiveness to permitting applications and approval timing;
- Continuing to encourage amenity development and retail opportunities, particularly along key corridors that are most primed for development;
- Increasing government responsiveness to community problems and nuisances;

Ocassidy Turiey 2<sup>nd</sup> Quarter 2013 Apartment Market Report (Accessed August 18,2013), <a href="http://www.cibtapariments.convimages/reports/CT\_East\_Bay\_Multifamily\_Q2\_2013\_Report.pdf">http://www.cibtapariments.convimages/reports/CT\_East\_Bay\_Multifamily\_Q2\_2013\_Report.pdf</a>; Various rental rate comparisons for Downtown multi-family properties.

<sup>11</sup> The Grand Website (Accessed February 17 and August 20, 2013), http://www.livethegrand.com/

- Enhancing the BART system through additional transit connections to increase accessibility and connectivity; and
- Continue to enhance Oakland's image and further vibrancy of its Downtown.

Such improvements will help make Oakland more attractive to new development and will better prepare it for the point when market conditions change.

### Appendix A - Development Scenario Static Pro Forma Summaries

Figure 47. Static Pro Forma - Scenario 1a (Mixed Use Residential with Parking, +/-65')

Development Program (Scenario 1a - 226 13	Number	Unit
Site Size	59,727	Square Feet
Amount of Area to be Demolished	35,127	Square Feet
Floor Area Ratio	4.88	Coverage
Base Building Height	65	Feet
Tower Building Height	-	Feet
Building Type	Residential	Use
Construction Term	18	Months
Building Footprint	56,600	Square Feet
Retail		
Gross Retail Area	18,500	Square Feet
Gross Retail Area in Base	18,500	Square Feet
Gross Retail Area in Tower	-	Square Feet
Net Leasable Retail Area	16,650	Square Feel
Office		
Gross Office Area	· -	Square Feel
Gross Office Area in Base	* .	Square Fee
Gross Office Area in Tower	1.5	Square Feet
Net Leasable Office Area	•	Square Feet
Residential		
Gross Residential Area	203,300	Square Feet
Gross Residential Area in Base	203,300	Square Feet
Gross Residential Area in Tower	-	Square Feet
Net Residential Unit Space	172,805	22% Efficienc
Total Units Residential Absorbtion Period	200 20	Units Months
		74.001.070
Parking Total Parking Area	69.600	Square Fee
Average Parking Space	350	Square Feel
Total Parking Spaces	198	Spaces
Podium Parking - Half Below Grade	99	Spaces
Podium Parking - Ground Floor / Above Grade	99	Spaces
Podium Parking - Mechanical System	-	Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office		Spaces
Residential	198	Spaces

Average Capitalized Revenue per GFA			\$255
Capitalized Revenue by Building Use per GFA			
Retail			\$256
Office	>		N/A
Residential		:	\$323
Parking			\$56
Square Feet Available for Community Benefit			-63.344
Community Benefit Space as % of GFA			-22%

		0.02.70244.408.0004
Sensitivity Analysis Category	Public Benefit Pe	r Bullding So Et
Construction Costs	rabiic Benefit Fe	r bunding 3q. r t
85%	(\$3,906,498)	(\$13)
100%	(\$16,153,117)	(\$55)
115%	(\$28,399,736)	(\$97)
Developer Thresholds		
85%	(\$15,147,980)	(\$52)
100%	(\$16,153,117)	(\$55)
115%	(\$17,158,254)	(\$59)
Revenue Assumptions		•
100%	(\$16,153,117)	(\$55)
115%	(\$4,946,192)	(\$17)
130%	\$6,260,733	\$21
85% Construction Costs, 115% Revenue	\$7,300,427	\$25

Pro Forma Analysis - Development Costa	
Land Costs	
Land Costs	\$2,986,350
Hard Costs	İ
Demolition Costs	\$0
Site Work Cost	\$15,635
Parking Costs	\$3,960,000
Base Construction Costs	
Retail Construction Costs	\$4,625,000
Office Construction Costs	\$0
Residential Construction Costs	\$50,825,000
Total Base Construction Costs	\$55,450,000
Tower Construction Costs	1
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	\$0
Hard Costs Sub Total	\$59,425,635
Soft Costs	
Architecture and Engineering	
Base Building	\$4,158,750
Tower Building	\$0
Total Architecture and Engineering	\$4,158,750
Building/Permitting/impact Fees	\$5,275,939
Property Taxes	\$898,083
Construction Loan	\$4,434,399
Construction Loan Points	\$270,127
Overhead/Other	\$2,323,478
Contingency	\$3,988,638
Total Soft Costs	\$21,349,415
Total Development Cost	\$83,761,400

Retail	
1	<b>#</b> 000 000
Annual Leasing Revenue	\$333,000
Less Vacancy	(\$33,300)
Less Operating Expenses	(\$22,200)
Less Broker Fees	(\$16, <b>5</b> 50)
Retail Revenue Sub Total	\$260,850
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	· \$0
Residential	
Annual Rental Revenue	\$5,391,516
Less Vacancy	(\$269,576)
Less Operations and Maintenance Expenses	(\$1,509,624)
Residential Rental Revenue Sub Total	\$3,612,316
Parking	•
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$213,840
Parking Revenue Sub Total	\$213,840
Net Annual Revenue	\$4,087,006
Capitalized Value	\$74,309,195

Pro Forma Analysis - Net Revenue	
Capitalized Value	\$74,309,195
Total Development Cost	(\$83,761.400)
Net Revenue	(\$9,482,205)
Capitalized Value / Development Cost	89%
Developer Profit	\$8,700,912
Difference Available for Public Benefits	1868,188,117
Public Benefit per Building Sq. Ft.	
Public Benefit per Leasable Building Sc	i.Ft. (\$970)
Public Benefit per Residential Unit	

Figure 48. Static Pro Forma - Scenario 1b (Mixed Use Residential without Parking, +/-65')

Obsekipmina Propram (Scenario 16 - 226 K	M Street)	
nu - nt	Number	<u>Unit</u>
Site Size	59,727	Square Feet
Amount of Area to be Demolished		Square Feet
Floor Area Ratio	4.35	Coverage
Base Building Height	65	Feet Feet
Tower Building Height		
Building Type	Residential	Use
Construction Term	18	Months
Building Footprint	45,800	Square Feet
Retail		
Gross Retail Area	15,300	Square Feet
Gross Retail Area in Base	15,300	Square Feet
Gross Retail Area in Tower	-	Square Feet
Net Leasable Retail Area	13,770	Square Feet
Office		
Gross Office Area	*	Square Feet
Gross Office Area in Base	<u>.</u> .	Square Feet
Gross Office Area in Tower		Square Feet
Net Leasable Office Area	•	Square Feet
Residential		
Gross Residential Area	244,500	Square Feet
Gross Residential Area in Base	217,900	Square Feet
Gross Residential Area in Tower	-	Square Feet
Gross Live/Work Space in Base	26,600	Square Feet
Net Residential Unit Space	207,825	20% Efficiency
Total Units	231	Units
Residential Absorbtion Period	24	Months
Parking		
Total Parking Area	•	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	-	Spaces
Podium Parking - Half Below Grade	-	Spaces
Podium Parking - Ground Floor / Above Grade	-	Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution		-
Refail	On Street	Spaces
Office	-	Spaces
Residential	_	Spaces

Average Capitalized Revenue per GFA	\$304
Capitalized Revenue by Bullding Use per GFA	
Retail	\$256
Office	N/A
Residential	\$307
Parking	NA
Square Feet Available for Community Benefit	-66,946
Community Benefit Space as % of GFA	-26%

Sensitivity Analysis		
Category	Public Benefit	Per Building Sq. Ft.
Construction Costs		
85%	(\$6,910,843)	(\$27)
100%	(\$20,342,647)	(\$78)
115%	(\$33,774,450)	(\$130)
Developer Thresholds		
85%	(\$19,239,453)	(\$74)
100%	(\$20,342,647)	(\$78)
115%	(\$21,445,840)	(\$83)
Revenue Assumptions		•
100%	(\$20,342,647)	(\$78)
115%	(\$8,450,858)	(\$33)
130%	\$3,440,931	\$13
85% Construction Costs, 115% Revenue	\$4,980,945	<b>\$</b> 19

Pro Forma Aprilysis Development Costs	
Land Costs	
Land Costs	\$2,986,350
Hard Costs	
Demolition Costs	\$G
Site Work Cost	\$69,635
Parking Costs	. \$0
Base Construction Costs	
Retail Construction Costs	\$3,825,000
Office Construction Costs	\$0
Residential Construction Costs	\$61,125,000
Total Base Construction Costs	\$64,950,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	\$0
Hard Costs Sub Total	\$65,019,635
Soft Costs	
Architecture and Engineering	
Base Building	\$4,871,250
Tower Building	\$0
Total Architecture and Engineering	\$4,871,250
Building/Permitting/Impact Fees	\$5,504,435
Property Taxes	<b>\$979,77</b> 1
Construction Loan	\$5,346,977
Construction Loan Points	\$296,479
Overhead/Other	\$2,550,147
Contingency	<b>\$4,377,752</b>
Total Soft Costs	\$23,926,811
	•
Total Development Cost	\$91,932,796

Pro Forma Analysis - Development Revenue	
Retail	sengram-meneberativa acamerica-
Annual Leasing Revenue	\$275,400
Less Vacancy	(\$27,540)
Less Operating Expenses	(\$18,360)
Less Broker Fees	(\$13,770)
Retail Revenue Sub Total	\$215,730
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$6,158,556
Less Vacancy	(\$307,928)
Less Operations and Maintenance Expenses	(\$1,724,396)
Residential Rental Revenue Sub Total	\$4,126,233
Parking	
Annual Office Parking Rental Revenue	. \$0
Annual Residential Parking Rental Revenue	\$0
Parking Revenue Sub Total	<u>\$0</u> \$0
	,
Net Annual Revenue	\$4,341,963
Capitalized Value	\$78,944,773

Pro Forma Analysis - Net Revenue	
Capitalized Value	\$78,944,773
Total Development Cost	(\$91,932,796)
Net Revenue	(\$12,988,023)
Capitalized Value / Development Cost	88%
Developer Profit	\$7,354,624
Difference Available for Public Benefits	(\$20,342,647)
Public Benefit per Building Sq. Ft.	(674)
Public Benefit per Leasable Building Sq. F	<b>1</b> (61,477)
Public Benefit per Residential Unit	96329

Figure 49. Static Pro Forma – Scenario 1c (Zero Land Costs; 15% Construction Cost Savings)

A TANK TO THE PARTY OF THE PART	Number	Unit
Site Size	59,727	Square Feet
Amount of Area to be Demolished		Square Feet
Floor Area Ratio	4.88	Coverage
Base Building Height	65	Feet
Tower Building Height		Feet
Building Type	Residential	Use
Construction Term	18	Months
Building Footprint	56,600	Square Feet
Retail		
Gross Retail Area	18,500	Square Feet
Gross Retail Area in Base	18,500	Square Feet
Gross Retail Area in Tower		Square Feet
Net Leasable Retail Area	16,650	Square Feet
Office		
Gross Office Area	-	Square Feet
Gross Office Area in Base	-	Square Feet
Gross Office Area in Tower	-	Square Feet
Net Leasable Office Area		Square Feet
Residential		
Gross Residential Area	203,300	Square Feet
Gross Residential Area in Base	203,360	Square Feet
Gross Residential Area in Tower	172,805	Square Feet 22% Efficienc
Net Residential Unit Space Fotel Units	200	i Inits
Residential Absorbtion Period	20	Months
Parking		
Total Parking Area	69,600	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	198	Spaces
Podium Parking - Half Below Grade	99	Spaces
Podium Parking - Ground Floor / Above Grade	99	Spaces
Podium Parking - Mechanical System	•	Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office	-	Spaces
Residential	198	Spaces

Average Capitalized Revenue per GFA	\$255
Capitalized Revenue by Building Use per GFA	
Retail	\$256
Office	N/A
Residential	\$323
Parking	<b>\$</b> 56
Square Feet Available for Community Benefit	-3,800
Community Benefit Space as % of GFA	-1%

Category	Public Benefit	Per Building Sq. I
Construction Costs		
85%	\$9,563,956	\$33
100%	(\$989,075)	(\$3)
115%	(\$11,502,108)	(\$39)
Developer Thresholds		
85%	(\$132,650)	(\$0)
100%	<b>(\$96</b> 9,075)	(\$3)
115%	(\$1,805,500)	(\$6)
Revenue Assumptions		
100%	(\$969,075)	(\$3)
115%	\$10,237,850	\$35
130%	\$21,444,774	\$74
85% Construction Costs, 115% Revenue	\$20,770,881	\$71

Pro Forma Analysis Development Costs	
Land Costs	
Land Costs	\$0
Hard Costs	
Demolition Costs	\$0
Site Work Cost	\$15,635
Parking Costs	\$3,960,000
Base Construction Costs	
Retail Construction Costs	\$3,931,250
Office Construction Costs	\$0
Residential Construction Costs	\$43,201,250
Total Base Construction Costs	\$47,132,500
Tower Construction Costs	
Retail Construction Costs	. \$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	\$0
Hard Costs Sub Total	\$51,108,135
Soft Costs	
Architecture and Engineering	
Base Building	\$3,534,938
Tower Building	<u>\$0</u>
Total Architecture and Engineering	\$3,534,938
Building/Permitting/Impact Fees	\$5,144,182
Property Taxes	\$747,341
Construction Loan	\$3,690,088
Construction Loan Points	\$224,786
Overhead/Other	\$1,933,484
Contingency	\$3,319,148
Total Soft Costs	\$18,593,967
Total Barrianmoni Cont	\$69,702,102
Total Development Cost	300,102,102

Engage to the particles are as a second control of the second	
Retail	
Annual Leasing Revenue	\$333,000
Less Vacancy	(\$33,300)
Less Operating Expenses	(\$22,200)
Less Broker Fees	(\$16,650)
Retail Revenue Sub Total	\$260,850
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	. \$0
Less Broker Fees	\$0
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$5,391,516
Less Vacancy	(\$269.576)
Less Operations and Maintenance Expenses	(\$1,509,624)
Residential Rental Revenue Sub Total	\$3,612,316
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$213,840
Parking Revenue Sub Total	\$213,840
Net Annual Revenue	\$4,087.006
Capitalized Yelue	\$74,309,195

Pro Forma Analysis - Net Revenue	
Capitalized Value	\$74,309,195
Total Development Cost	(\$69,702,102)
Net Revenue	\$4,607,093
Capitalized Value / Development Cost	107%
Developer Profit	\$5,576,168
Difference Available for Public Benefits	(\$969,076)
Public Benefit per Building Sq. Ft.	
Public Benefit per Leasable Building Sq.	Pt
Public Benefit per Residential Unit	(4484)

Figure 50. Static Pro Forma - Scenario 2a\* (Mixed Use Residential with Parking, +/-240')

Cevelopment Program (Scenario 24, 725 (S	M Street	
A COLUMN AND THE COLUMN AND AND AND AND AND AND AND AND AND AN	Number	<u>Unit</u>
Site Size	59,727	Square Feet
Amount of Area to be Demolished	-	Square Feet
Floor Area Ratio	8.81	Coverage
Base Building Height	65	Feet
Tower Building Height	240	Feet
Building Type	Residential	Use
Construction Term	28	Months
Building Footprint	56,600	Square Feet
Retail		
Gross Retail Area	18,500	Square Feet
Gross Retail Area in Base	18,500	Square Feet
Gross Retail Area in Tower		Square Feet
Net Leasable Retail Area	16,650	Square Feet
Office		
Gross Office Area	_	Square Feet
Gross Office Area in Base	4	Square Feet
Gross Office Area in Tower		Square Feet
Net Leasable Office Area		Square Feet
Residential	*	
Gross Residential Area	368,700	Square Feet
Gross Residential Area in Base	· -	Square Feet
Gross Residential Area in Tower	368,700	Square Feet
Gross Live/Work Space in Base	· _	Square Feet
Net Residential Unit Space	313,395	19% Efficiency
Total Units	365	Units
Residential Absorbtion Period	25	Months
Parking		
Total Parking Area	139,200	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	397	Spaces
Podium Parking - Half Below Grade	99	Spaces
Podium Parking - Ground Floor / Above Grade	298	Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office		Spaces
Residential	397	Spaces

Average Capitalized Revenue per GFA	\$273
Capitalized Revenue by Building Use per GFA	
Retail	\$256
Office	N/A
Residential	\$355
Parking	\$56
Square Feet Available for Community Benefit	-129,733
Community Benefit Space as % of GFA	-25%

Sensitivity Analysis Category	Public Benefit Pe	r Building Sq. Ft
Construction Costs		
85%	(\$18,090,603)	(\$56)
100%	(\$32,032,466)	(\$99)
115%	(\$46,074,329)	(\$142)
Developer Thresholds		
85%	(\$30,938,170)	(\$96)
100%	(\$32,082,466)	(\$99)
115%	(\$33,226,762)	(\$103)
Revenue Assumptions		
100%	(\$32,082,466)	(\$99)
115%	(\$21,386,295)	(\$66)
130%	(\$10,690,124)	(\$33)
85% Construction Costs, 115% Revenue	\$11,064,842	\$21

Pro Forma Analysis - Development Costs	
Land Costs	
Land Costs	\$2,986,350
Hard Costs	
Demolition Costs	\$0
Site Work Cost	\$15,635
Parking Costs	\$7,940,000
Base Construction Costs	
Retail Construction Costs	\$4,625,000
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Base Construction Costs	\$4,625,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$97,705,500
Total Tower Construction Costs	\$97,705,500
Hard Costs Sub Total	\$110,286,135
Soft Costs	
Architecture and Engineering	
Base Building	\$346,875
Tower Building	\$6,350,858
Total Architecture and Engineering	\$6,697,733
Building/Permitting/Impact Fees	\$18,998,387
Property Taxes	\$1,737,108
Construction Loan	\$11,962,917
Construction Loan Points	\$534,340
Overhead/Other	\$4,596,089
Contingency	\$7,889,953
Total Soft Costs	\$52,416,526
÷	
Total Development Cost	\$165,689,011

	en e
Rice com a Auglyspe Development Regent	e
Retail	
Annual Leasing Revenue	\$333,000
Less Vacancy	(\$33,300)
Less Operating Expenses	(\$22,200)
Less Broker Fees	(\$16,650)
Retail Revenue Sub Total	\$260,850
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$10,755,716
Less Vacancy	(\$537,796)
Less Operations and Maintenance Expenses	(\$3,011,601)
Residential Rental Revenue Sub Total	\$7,206,330
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$428,760
Parking Revenue Sub Total	\$428,760
	·
Net Annual Revenue	\$7,895,940
Capitalized Value	\$143,562,545

Pro Forma Analysis - Net Revenue Capitalized Value	\$143,502,545
Total Development Cost	(\$165,689,011)
hiet Revenue	(\$22,126,486
Capitalized Value / Development Cost	87%
Developer Profit	\$13,265,121
Difference Available for Public Benefits	
Public Benefit per Building Sq. Ft.	
Public Benefit per Leasable Building Sq.	Ft (\$2,120)
Public Benefit per Residential Unit	836338

Figure 51. Static Pro Forma – Scenario 2b\* (Mixed Use Residential without Parking, +/-240')

	. Societie Sie et	
Development Program (Stierietto 2)	Number	Unit
Site Size	59.727	Square Feet
Amount of Area to be Demolished	33,121	Square Feet
Floor Area Ratio	7.94	Coverage
Base Building Height	365	Feet
Tower Building Height	240	Feet
Building Type	Residential	Use
Construction Term	28	Months
Building Footprint	43,500	Square Feet
building roots in	40,000	Oquare i est
Retail		
Gross Retail Area	8,000	Square Feet
Gross Refail Area in Base	8,000	Square Feet
Gross Retail Area in Tower	· · ·	Square Feet
Net Leasable Retail Area	7,200	Square Feet
Office		
Gross Office Area		Square Feet
Gross Office Area in Base	<del>.</del>	Square Feet
Gross Office Area in Tower		Square Feet
Net Leasable Office Area	•	Square Feet
Residential		
Gross Residential Area	400,000	Course Cont
Gross Residential Area in Base	466,000	Square Feet Square Feet
Gross Residential Area in Tower	436,200	Square Feet
Gross Live/Work Space in Base	29,800	Square Feet
Net Residential Unit Space	396,100	16% Efficiency
Total Units	450	Units
Residential Absorbtion Period	31	Months
(Kealdeline) Apacipust Latina	<b>.</b>	world is
Parking		
Total Parking Area		Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	4	Spaces
Podium Parking - Half Below Grade		Spaces
Podium Parking - Ground Floor / Above	Grade -	Spaces
Podium Parking - Mechanical System	•	Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office		Spaces
Residential		Spaces

Average Capitalized Revenue per GFA	\$342
Capitalized Revenue by Building Use per GFA	
Retail	\$256
Office	N/A
Residential	\$344
Parking	N∕A
Square Feet Available for Community Benefit	-125,391
Community Benefit Space as % of GFA	-26%

Category	Public Benefit	Per Building Sq. Ft.
Construction Costs		
85%	(\$14,500,289)	(\$31)
100%	(\$42,920,320)	(\$91)
115%	(\$71,340,352)	(\$151)
Developer Thresholds		
85%	(\$30,938,170)	(\$96)
100%	(\$32,082,468)	(\$99)
115%	(\$33,226,762)	(\$103)
Revenue Assumptions		
100%	(\$32,082,466)	(\$99)
115%	(\$21,386,295)	(\$66)
130%	(\$10, <del>6</del> 90,124)	(\$33)
85% Construction Costs, 115% Revenue	\$9,862,842	\$21

Pro Forma Analysis Development Costs	
Land Costs	
Land Costs	\$2,986,350
Hard Costs	•
Demolition Costs	\$0
Site Work Cost	\$81,135
Parking Costs	\$0
Base Construction Costs	Í
Retail Construction Costs	\$2,000,000
Office Construction Costs	\$0
Residential Construction Costs	\$7,450,000
Total Base Construction Costs	\$9,450,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$115,593,000
Total Tower Construction Costs	\$115,593,000
Hard Costs Sub Total	\$125,124,135
Soft Costs	
Architecture and Engineering	-
Base Building	\$708,750
Tower Building	\$7,513,545
Total Architecture and Engineering	\$8,222,295
of the	
Building/Permitting/Impact Fees	\$21,599,335
Property Taxes	\$1,974,151
Construction Loan	\$15,134,462
Construction Loan Points	\$612,643
Overhead/Other	\$5,269,601
Contingency	\$9,046,149
Total Soft Costs	\$61,858,636
Total Development Cost	5490 B60 424
Our Paciobulaur Cost	\$189,969,121

Retail	
Annual Leasing Revenue	\$144,000
Less Vacancy	(\$14,400)
Less Operating Expenses	(\$9,600)
Less Broker Fees	(\$7,200)
Retail Revenue Sub Total	\$112,800
Office	
Annual Leasing Revenue	. \$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	\$C
Residential	
Annual Rental Revenue	\$13,150,370
Less Vacancy	(\$657,519)
Less Operations and Maintenance Expenses	(\$3,682,104)
Residential Rental Revenue Sub Total	\$8,810,748
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$0
Parking Revenue Sub Total	\$0
Net Annual Revenue	\$8,923,548
Capitalized Value	\$162,246,330

Capitalized Value	\$162,246,330
Total Development Cost	(\$189,969,121)
Not Revenue	(\$27,722,791)
Capitalized Value / Development Cost	85%
Developer Profit	\$15,197,530
Difference Available for Public Benefits	(\$42,929,320)
Public Benetit per Guilding Sq. Ft.	(84)
Public Benefit per Leasable Building Sq.	FL (\$6,981)
Public Benefit per Residential Unit	(\$94,276)

Figure 52. Static Pro Forma - Scenario 3a (Mixed Use Residential with Parking, +/-65')

Development Broglam (doenatie 1a - 30	1-19th Street)	11-74
0%-0%	<u>Number</u> 57.935	<u>Unit</u>
Site Size  Amount of Area to be Demolished	21,932	Square Feet Square Feet
Floor Area Ratio	4 53	
Base Building Height	4.53 65	Coverage Feet
Tower Building Height	65	reet Feet
Building Type	Residential	- Use
Construction Term	residental	Months
Building Footprint	55,300	Square Feet
building recipitat	38,000	oquate rect
Retail		
Gross Retail Area	14,200	Square Feet
Gross Retail Area in Base	14,200	Square Feet
Gross Retail Area in Tower		Square Feet
Net Leasable Retail Area	12,780	Square Feet
Office		
Gross Office Area		Square Feet
Gross Office Area in Base		Square Feet
Gross Office Area in Tower	· .	Square Feet
Net Leasable Office Area	1	Square Feet
		in dum n . nor
Residential		
Gross Residential Area	184,100	Square Feet
Gross Residential Area in Base	184,100	Square Feet
Gross Residential Area in Tower	· .	Square Feet
Gross Live/Work Space in Base	· •	Square Feet
Net Residential Unit Space	156,485	21% Efficiency
Total Units	175	Units
Residential Absorbtion Period	18	Months
Parking		
Total Parking Area	64,000	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	182	Spaces
Podium Parking - Half Below Grade	91	Spaces
Podium Parking - Ground Floor / Above Grad		Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution		*
Retail	On Street	Spaces
Office		Spaces
Residential	182	Spaces

Average Capitalized Revenue per GFA	\$308
Capitalized Revenue by Building Use per GFA	
Retail	\$282
Office	N/A
Residential	\$396
Parking	\$61
Square Feet Available for Community Benefit	73
Community Benefit Space as % of GFA	0%

Category		Public Benefit Pe	<u>r Building Sq. Ft</u>
Construction Cost	•		
85%	*	\$10,948,112	\$42
100%		\$22,540	\$0
115%		(\$10,903,032)	(\$42)
Developer Thresh	olds		
85%	• *	\$921,264	\$4
100%	₹	\$22,540	\$O
115%		(\$876,184)	(\$3)
Revenue Assumpti	ons		
100%		\$22,540	\$0
115%		\$12,209,813	\$47
130%		\$24,397,086	\$93
85% Construction (	Costs, 115% Revenue	\$23,135,385	\$88

Bro Forma Area (Sec. 2) and production of the	
Land Costs	
Land Costs	\$2,896,750
Hard Costs	
Demolition Costs	\$0
Site Work Cost	\$13,175
Parking Costs	\$3,640,000
Base Construction Costs	
Retail Construction Costs	\$3,550,000
Office Construction Costs	\$0
Residential Construction Costs	\$46,025,000
Total Base Construction Costs	\$49,575,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	<u>\$0</u>
Hard Costs Sub Total	\$53,228,175
Soft Costs	
Architecture and Engineering	
Base Building	\$3,718,125
Tower Building	\$0
Total Architecture and Engineering	\$3,718,125
Building/Permitting/Impact Fees	\$4,592,130
Property Taxes	\$805,440
Construction Loan	\$3,767,646
Construction Loan Points	\$241,529
Overhead/Other	\$2,077,494
Contingency	\$3,566,364
Total Soft Costs	\$18,768,728
Total Development Cost	\$74,893,653
I nes mas atolisasis nost	917,000,000

Bio Comia Abaiys & Development Revenin	
Retail	
Annual Leasing Revenue	\$255,600
Less Vecancy	(\$25,580)
Less Operating Expenses	(\$17,040)
Less Broker Fees	(\$12,780)
Retail Revenue Sub Total	\$200,220
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$5,445,678
Less Vacancy	(\$272,284)
Less Operations and Maintenance Expenses	(\$1,524,790)
Residential Rental Revenue Sub Total	\$3,848,604
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$196,560
Parking Revenue Sub Total	\$196,560
	,
Net Annual Revenue	\$4,045,384
Capitalized Value	\$80,907,686

Pro Forma Analysis - Net Revenue - Capitalizad Value	\$80,907,685
Total Development Cost	(\$74,893,653
Net Revenue	\$6,014,032
Capitalized Value / Development Cost	108%
Developer Profit	\$5,991,492
Difference Available for Public Benefits	\$22,840
Public Benefit per Building Sq. Ft.	\$0
Public Benefit per Leasable Building S	q. Ft.

Figure 53. Static Pro Forma - Scenario 3b (Mixed Use Residential without Parking, +/-65')

Site Size Amount of Area to be Demolished Floor Area Ratio Base Building Height Feet Building Type Construction Term Building Footprint  Retail Gross Retail Area Gross Office Area Gross Office Area Gross Office Area Gross Residential Area Gross Residential Area Gross Retail Area Gross Office Area Gross Office Area Gross Retail Area Gross Retail Area Gross Office Area Gross Residential Gross Residen			
Site Size Amount of Area to be Demolished Floor Area Ratio Base Building Height Feet Tower Building Height Feet Building Height Feet Building Height Feet Building Height Feet Building Type Residential Use Construction Term Residential Building Footprint Feet Building Footprint Feet Building Footprint Feet Gross Retail Area Gross Retail Area in Base Gross Retail Area in Tower Net Leasable Retail Area Feet Gross Office Area Gross Office Area Feet Gross Office Area Feet Gross Office Area Feet Gross Office Area in Base Gross Office Area Feet Gross Office Area Feet Residential Gross Residential Area Feet Residential Gross Residential Area in Base Gross Residential Area Feet Residential Gross Residential Area in Base Feet Gross Residential Area in Tower Net Leasable Office Area Feet Residential Gross Residential Area in Tower Feet Residential Gross Residential Area in Tower Feet Gross Residential Area in Tower Gross Residential Area Gross Residential Gross Re	Development Program (Scarario 3b. 301 ti	CALL AND TO SELECT AND AND AND AND AND AND ADDRESS AND ADDRESS.	
Amount of Area to be Demolished Floor Area Ratio Base Building Height Feet Building Height Feet Building Type Residential Construction Term Building Footprint Retail Gross Retail Area Gross Retail Area in Base Gross Retail Area in Tower Net Leasable Retail Area Gross Office Area Gross Residential Area Gross Residential Area Gross Residential Area Gross Residential Area Gross Live/Nork Space in Base Net Residential Unit Space Dit Intis Residential Absorbtion Period Quare Feet Oblum Parking Space Feet Oblum Parking - Half Below Grade Podium Parking - Ground Floor / Above Grade Podium Parking - Mechanical System Parking Use Distribution Retail On Street Square Parking Use Distribution Retail On Street Square Square Square Square Spaces			**********
Floor Area Ratio Base Building Height Gof Feet Tower Building Height Gof Feet Building Height Gonstruction Term Building Footprint Retail Gross Retail Area Gross Retail Area in Base Gross Retail Area in Tower Net Leasable Retail Area Gross Office Area Gross Residential Area Gross Residential Area Gross Residential Area Gross Residential Area in Base Gross Residential Area Gross Residential Gross Residen	lane and	57,935	
Base Building Height Tower Building Height Building Type Construction Term Building Footprint Retail Gross Retail Area Gross Retail Area in Base Gross Retail Area in Tower Net Leasable Retail Area Gross Office Area Gross Command Gross Residential Area in Base Gross Live/Work Space in Base Net Residential Unit Space Gross Live/Work Space in Base Net Residential Unit Space Gross Live/Work Space Gross Area Deficiency Total Units Gross Residential Area Gross Area Gross Command Gross Residential Unit Space Gross Residential Onit Space Total Parking Gross Area Gross Command Gross Residential Onit Space Total Parking Area Average Parking Space Total Parking - Half Below Grade Podium Parking - Ground Floor / Above Grade Podium Parking - Ground Floor / Above Grade Podium Parking Use Distribution Retail On Street Spaces	Amount of Area to be Demolished	. •	Square Feet
Tower Building Height Building Type Construction Term Building Footprint Retail Gross Retail Area Gross Retail Area in Base Gross Retail Area in Tower Net Leasable Retail Area Gross Office Area Gross Residential Area Gross Residential Area Gross Residential Area Gross Residential Area in Base Gross Residential Area in Base Gross Residential Area in Base Gross Residential Area in Tower Gross Residential Area in Base Gross Residential Area in Base Gross Residential Area in Tower Gross Live/Work Space in Base Net Residential Unit Space Gross Live/Work Space in Base Net Residential Unit Space Gross Live/Work Space in Base Square Feet Gross Live/Work Space in Base Square Feet Gross Live/Work Space Gross Residential Area in Tower Gross Live/Work Space in Base Square Feet Gross Live/Work Space in Base Square Feet Gross Live/Work Space Square Feet Gross Coffice Area Square Feet Square Feet Gross Coffice Area Square Feet Square Fe	, ,		
Building Type Residential Use Construction Term 18 Months Building Footprint 41,600 Square Feet Retail Gross Retail Area 15,400 Square Feet Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Tower Square Feet Net Leasable Retail Area 13,860 Square Feet Office Gross Office Area Square Feet Residential Gross Residential Area Square Feet Residential Gross Residential Area In Base 220,000 Square Feet Gross Residential Area In Tower Square Feet Gross Residential Area In Tower Square Feet Gross Residential Area In Base 220,000 Square Feet Gross Live/Work Space In Base 16,700 Square Feet Net Residential Unit Space 201,195 Square Feet Net Residential Unit Space 201,195 Square Feet Net Residential Area In Tower Square Feet Total Units 222 Units Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Total Parking Space 350 Square Feet Total Parking Space 350 Square Feet Total Parking - Half Below Grade Spaces Podium Parking - Ground Floor / Above Grade Spaces Podium Parking - Mechanical System Parking Use Distribution Retail On Street Spaces		65	
Construction Term Building Footprint  Retail  Gross Retail Area Gross Retail Area in Base Gross Retail Area in Tower Net Leasable Retail Area  Office Gross Office Area Gross Office Area Gross Office Area in Tower Net Leasable Office Area  Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Office Area Gross Residential Area Gross Residential Area Gross Residential Area in Base Gross Residential Area in Base Gross Residential Area in Tower Gross Live/Work Space in Base Hot Residential Unit Space Gross Live/Work Space in Base Total Units Total Units Total Units Parking Total Parking Area Average Parking Space Podium Parking - Half Below Grade Podium Parking - Ground Floor / Above Grade Podium Parking - Mechanical System Parking Use Distribution Retail On Street Square Feet Sq			
Building Footprint 41,600 Square Feet  Retail Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Tower Square Feet Net Leasable Retail Area 13,860 Square Feet Office Gross Office Area 53,860 Square Feet Gross Office Area 63,860 Square Feet Gross Office Area 64,860 Square Feet Gross Office Area 75,860 Square Feet Gross Residential Area 75,860 Square Feet Gross Residential Area 86,700 Square Feet Gross Residential Area 16,700 Square Feet Gross Live/Work Space 16,700 Square Feet Gross Residential Area 16,700 Square Feet Gross Residential Live Feet Gross Residential Area 17,400 Square Feet Gross Residential Area 17,400 Square Feet Gross Live/Work Space 16,700 Square Feet Gross Residential Area 17,400 Square Feet	•		
Retail Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Base 15,400 Square Feet Net Leasable Retail Area 13,860 Square Feet Net Leasable Retail Area 13,860 Square Feet Office Gross Office Area - Square Feet Gross Office Area in Base - Square Feet Gross Office Area in Tower - Square Feet Net Leasable Office Area - Square Feet Residential Gross Residential Area - Square Feet Gross Residential Area - Square Feet Gross Residential Area in Tower - Square Feet Gross Residential Area in Tower - Square Feet Gross Residential Area in Tower - Square Feet Gross Live/Work Space in Base 16,700 Square Feet Met Residential Unit Space 201,196 20% Efficiency Total Units 222 Units Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail On Street Spaces			***************************************
Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Tower Square Feet Net Leasable Retail Area 13,860 Square Feet Net Leasable Retail Area 13,860 Square Feet Office Gross Office Area Square Feet Gross Residential Area Square Feet Square Feet Square Feet Residential Area in Base 220,000 Square Feet Gross Residential Area in Base 220,000 Square Feet Gross Residential Area in Tower Square Feet Square Fe	Building Footprint	41,600	Square Feet
Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Base 15,400 Square Feet Gross Retail Area in Tower Square Feet Net Leasable Retail Area 13,860 Square Feet Net Leasable Retail Area 13,860 Square Feet Office Gross Office Area Square Feet Gross Residential Area Square Feet Square Feet Square Feet Residential Area in Base 220,000 Square Feet Gross Residential Area in Base 220,000 Square Feet Gross Residential Area in Tower Square Feet Square Fe			
Gross Retail Area in Base Gross Retail Area in Tower Net Leasable Retail Area  Office Gross Office Area Gross Office Area Gross Office Area in Base Gross Office Area in Base Gross Office Area in Tower Net Leasable Office Area  Gross Office Area in Tower Net Leasable Office Area  Gross Residential Area Gross Residential Area in Base Gross Live/Work Space in Base Net Residential Unit Space Total Units Net Residential Unit Space Total Units Parking Total Parking Area Average Parking Space Podium Parking - Half Below Grade Podium Parking - Ground Floor / Above Grade Podium Parking - Mechanical System Parking Use Distribution Retail  On Street  Square Feet Squar	[ · · · · · · · · · · · · · · · · · · ·		
Gross Retail Area in Tower Net Leasable Retail Area  Office Gross Office Area Gross Office Area   Square Feet Net Leasable Office Area   Square Feet Residential Gross Residential Area   236,700   Square Feet Gross Residential Area   Square Feet Gross Residential Area   Square Feet Gross Residential Area   Square Feet Gross Live/Work Space   16,700   Square Feet Gross Live/Work Space   16,700   Square Feet Area Gross Live/Work Space   16,700   Square Feet Gross Live/Work Space   201,195   20% Efficiency Units Gross Residential Unit Space   201,195   20% Efficiency Units Gross Residential Area   Square Feet Average Parking Area   Square Feet Average Parking Space   350   Square Feet Average Parking Space   350   Square Feet Total Parking Area   Spaces Podium Parking - Half Below Grade   Spaces Podium Parking - Ground Floor / Above Grade   Spaces Podium Parking - Mechanical System   Spaces			
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Gross Office Area - Square Feet Gross Office Area in Base - Square Feet Gross Office Area in Tower - Square Feet Net Leasable Office Area - Square Feet Net Leasable Office Area - Square Feet Residential Gross Residential Area in Base - Square Feet Gross Residential Area in Base - Square Feet Gross Residential Area in Tower - Square Feet Gross Live/Work Space in Base - 16,700 Square Feet Net Residential Unit Space - 201,195 Square Feet Net Residential Unit Space - 201,195 Square Feet Total Units - 222 Units Residential Absorbtion Period - 23 Months  Parking Total Parking Area - Square Feet Average Parking Space - Square Feet Total Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail - On Street Spaces	Office		
Gross Office Area in Base - Square Feet Gross Office Area in Tower - Square Feet Net Leasable Office Area - Square Feet Residential Gross Residential Area - Square Feet Gross Residential Area in Base - Square Feet Gross Residential Area in Tower - Square Feet Gross Live/Work Space in Base - 16,700 Square Feet Gross Live/Work Space in Base - 16,700 Square Feet Met Residential Unit Space - 201,195 20% Efficiency Total Units - 222 Units Residential Absorbtion Period - 23 Months  Parking Total Parking Area - Square Feet Average Parking Space - Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail - On Street Spaces		_	Source Feet
Gross Office Area in Tower Net Leasable Office Area  Residential Gross Residential Area Gross Residential Area in Base Gross Residential Area in Base Gross Residential Area in Tower Gross Live/Work Space in Base Net Residential Unit Space Net Residential Unit Space Total Units Residential Absorbtion Period  Parking Total Parking Area Average Parking Space Podium Parking - Half Below Grade Podium Parking - Ground Floor / Above Grade Podium Parking - Mechanical System Parking Use Distribution Retail  On Street  Square Feet Spaces Spaces Spaces Spaces Spaces Spaces Spaces Spaces		_	• '
Net Leasable Office Area - Square Feet  Residential Gross Residential Area 236,700 Square Feet Gross Residential Area in Base 220,000 Square Feet Gross Residential Area in Tower - Square Feet Gross Live/Work Space in Base 16,700 Square Feet Net Residential Unit Space 201,195 20% Efficiency Total Units 222 Units Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail On Street Spaces			
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Gross Residential Area 236,700 Square Feet Gross Residential Area in Base 220,000 Square Feet Gross Residential Area in Tower - Square Feet Gross Live/Work Space in Base 16,700 Square Feet Met Residential Unit Space 201,195 20% Efficiency Total Units 222 Units Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail On Street Spaces	THE LOCALIST OF THE PARTY OF TH		04000.000
Gross Residential Area in Base Gross Residential Area in Tower Gross Live/Work Space in Base Net Residential Unit Space Other Space in Base Nort Residential Unit Space Other Space Residential Absorbtion Period Other Space	Residential		
Gross Residential Area in Tower Gross Live/Work Space in Base  Net Residential Unit Space Total Units Residential Absorbtion Period  Parking Total Parking Area Average Parking Space Podium Parking - Half Below Grade Podium Parking - Ground Floor / Above Grade Podium Parking - Mechanical System Parking Use Distribution Retail  On Street  Square Feet Square Feet Square Feet Square Feet Spaces Spaces Spaces Spaces Spaces Spaces Spaces Spaces Spaces	Gross Residential Area	236,700	Square Feet
Gross Live/Work Space in Base 16,700 Square Feet Net Residential Unit Space 201,195 20% Efficiency Total Units 222 Units Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail On Street Spaces	Gross Residential Area in Base	220,000	Square Feet
Net Residential Unit Space 201,195 20% Efficiency Total Units 222 Units Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail On Street Spaces	Gross Residential Area in Tower	_	Square Feet
Total Units Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System - Spaces Parking Use Distribution Retail On Street Spaces	Gross Live/Work Space in Base	16,700	Square Feet
Residential Absorbtion Period 23 Months  Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podlum Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System Parking Use Distribution Retail On Street Spaces	Net Residential Unit Space	201,195	20% Efficiency
Parking Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System - Spaces Parking Use Distribution Retail On Street Spaces	Total Units	222	Units
Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System - Spaces Parking Use Distribution Retail On Street Spaces	Residential Absorbtion Period	23	Months
Total Parking Area - Square Feet Average Parking Space 350 Square Feet Total Parking Spaces - Spaces Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System - Spaces Parking Use Distribution Retail On Street Spaces	<b></b>		
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Podium Parking - Half Below Grade - Spaces Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System - Spaces Parking Use Distribution Retail On Street Spaces		350	
Podium Parking - Ground Floor / Above Grade - Spaces Podium Parking - Mechanical System - Spaces Parking Use Distribution Retail On Street Spaces		- *	
Podium Parking - Mechanical System - Spaces Parking Use Distribution Retail On Street Spaces		-	
Parking Use Distribution Retail On Street Spaces		•	
Retail On Street Spaces		*	Spaces
The state of the s	1 -		
Office - Spaces		On Street	
		-	•
Residential - Spaces	Residential		Spaces

Average Capitalized Revenue per GFA	\$378
Capitalized Revenue by Building Use per GFA	*45"
Retail	\$282
Office	N/A
Residential	\$384
Parking	N/A
Square Feet Available for Community Benefit	-2,576
Community Benefit Space as % of GFA	-1%

Category	nga panganan ang ang ang ang ang ang ang ang	Public Benefit	Per Building Sq. Ft.
Construction C	osts		
85%		\$12,043,958	\$48
100%		(\$972,788)	(\$4)
115%		(\$13,989,534)	(\$55)
Developer Thre	esholds		
85%	20 L	\$95,762	\$0
100%		(\$972,788)	(\$4)
115%		(\$2,041,339)	(\$6)
Revenue Assur	nptions		
100%	•	(\$972,788)	(\$4)
115%		\$13,362,161	\$53
130%		\$27,697,110	\$110
85% Constructi	on Costs, 115% Revenue	\$26,378,907	\$105

Pro Formo Adalysis Development Casts	
Land Costs	
Land Costs	\$2,896,750
Hard Costs	
Demolition Costs	\$0
Site Work Cost	\$81,675
Parking Costs	\$0
Base Construction Costs	
Retail Construction Costs	\$3,850,000
Office Construction Costs	\$0
Residential Construction Costs	\$59,175,000
Total Base Construction Costs	\$63,025,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	\$0
Hard Costs Sub Total	\$63,106,675
Soft Costs	
Architecture and Engineering	
Base Building	\$4,726,875
Tower Building	\$0
Total Architecture and Engineering	\$4,726,875
Building/Permitting/Impact Fees	\$5,304,240
Property Taxes	\$950,432
Construction Loan	\$5,063,366
Construction Loan Points	\$287,169
Overhead/Other	\$2,470,065
Contingency	\$4,240,279
Total Soft Costs	\$23,042,425
	14
Total Development Cost	\$89,046,850

E PORT TO THE A PART OF THE PA	
Retali	
Annual Leasing Revenue	\$277,200
Less Vacancy	(\$27,720)
Less Operating Expenses	(\$18,480)
Less Broker Fees	(\$13,860)
Retail Revenue Sub Total	\$217,140
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	<u>\$0</u>
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$6,780,144
Less Vacancy	(\$339,007)
Less Operations and Maintenance Expenses	(\$1,898,440)
Residential Rental Revenue Sub Total	\$4,542,696
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$0
Parking Revenue Sub Total	\$0
Net Annual Revenue	\$4,759,836
Capitalized Value	\$95,195,730

Capitalized Value	\$95,196,730
Total Development Cost	(\$89,045,850
Net Revenue	\$6,150,880
Capitalized Value / Development Co	st 107%
Developer Profit	<b>\$7,123,<del>\$6</del>8</b>
Difference Available for Public Be	nefits (\$972,700)
Public Benefit per Building Sq. Ft	
Public Benefit per Lessable Build	Ing Sq. Ft. (\$70
Dublic Canaliticar Casidontial In	A CONTRACTOR CONTRACTO

Figure 54. Static Pro Forma - Scenario 4a\* (Mixed Use Residential with Parking, +/-175')

Developmant Program (Scenario 4a 3		
		Unit
Site Size	<u>Number</u> 57,935	Square Feet
Amount of Area to be Demolished	37,853	Square Feet
Figor Area Ratio	6.17	Coverage
Base Building Height	65	Feet
Tower Building Height	175	Feet
Building Type	Residential	lise
Construction Term	28	Months
Building Footprint	52,100	Square Feet
District of Contract	32,100	oquate rest
Retali		
Gross Retail Area	14,300	Square Feet
Gross Retail Area in Base	14,300	Square Feet
Gross Retail Area in Tower	-	Square Feet
Net Leasable Retail Area	12,870	Square Feet
Office		
Gross Office Area	•	Square Feet
Gross Office Area in Base		Square Feet
Gross Office Area in Tower	f	Square Feet
Net Leasable Office Area	an.	Square Feet
Residential		
Gross Residential Area	254.800	Square Feet
Gross Residential Area in Base	146,800	Square Feet
Gross Residential Area in Tower	108,000	Square Feet
Gross Live/Work Space in Base	100,000	Square Feet
Net Residential Unit Space	216.580	20% Efficiency
Total Units	246	Units
Residential Absorbtion Period	17	Months
	•	
Parking		
Total Parking Area	88,600	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	253	Spaces
Podium Parking - Half Below Grade		Spaces
Podium Parking - Ground Floor / Above Gra	de 253	Spaces
Podium Parking - Mechanical System	• '	Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office	- "	Spaces
Residential	253	Spaces

Average Capitalized Revenue per GFA	\$321
Capitalized Revenue by Building Use per GFA	
Retail	\$282
Office	NA
Residential	\$413
Parking	\$62
Square Feet Available for Community Benefit	-7,784
Community Benefit Space as % of GFA	-2%

Sensitivity Analysis		HEROTE METALETAN
Category	Public Benefit	Per Bullding Sq. Ft.
Construction Costs		
85%	\$13,594,899	\$38
100%	(\$2,497,773)	(\$7)
115%	(\$18,590,446)	(\$52)
Developer Thresholds		
85%	(\$1,194,756)	(\$3)
100%	(\$2,497,773)	(\$7)
115%	(\$3,800,791)	(\$11)
Revenue Assumptions		
100%	(\$2,497,773)	(\$7)
115%	\$14,769,777	. \$41
130%	\$32,037,328	\$90
85% Construction Costs, 115% Revenue	\$30,862,450	<b>\$8</b> 6

Pro Forma Analysis Development Costs	
Land Costs	
Land Costs	\$2,896,750
Hard Costs	ĺ
Demolition Costs	\$0
Site Work Cost	\$29,175
Parking Costs	\$5,060,000
Base Construction Costs	1
Retail Construction Costs	\$3,575,000
Office Construction Costs	\$0
Residential Construction Costs	\$36,700,000
Total Base Construction Costs	\$40,275,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$29,700,000
Total Tower Construction Costs	\$29,700,000
Hard Costs Sub Total	\$75,064,175
Soft Costs	
Architecture and Engineering	
Base Building	\$3,020,625
Tower Building	\$1,930,500
Total Architecture and Engineering	\$4,951,125
Building/Permitting/Impact Fees	\$9,251,530
Property Taxes	\$1,152,045
Construction Loan	\$6,736,222
Construction Loan Points	\$350,181
Overhead/Other	\$3,012,061
Contingency	\$5,170,704
Total Soft Costs	\$30,623,868
Total Development Cost	\$108,584,793

Pro Forma Analysis - Development Revent	
Retail	
Annual Leasing Revenue	\$257,400
Less Vacancy	(\$25,740)
Less Operating Expenses	(\$17,160)
Less Broker Fees	(\$12,870)
Retail Revenue Sub Total	\$201,630
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$7,856,448
Less Vacancy	(\$392,822)
Less Operations and Maintenance Expenses	(\$2,199,805)
Residential Rental Revenue Sub Total	\$5,263,620
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$273,240
Parking Revenue Sub Total	\$273,240
Net Annual Revenue	\$5,738,690
Capitalized Value	\$114,773,803

Pro Forma Analysis - Net Revenue	
Capitalized Value	\$114,773,803
Total Development Cost	(\$108,584,793)
Net Revenue	\$6,189,010
Capitalized Value / Development Cost	106%
Developer Profit	\$8,686,783
Difference Available for Public Benefits	
Public Benefit per Building Sq. Ft.	
Public Benefit per Leasable Building Sq	FB. (0194)
Public Benefit per Residential Unit	

Figure 55. Static Pro Forma – Scenario 4b\* (Mixed Use Residential without Parking, +/-175')

Devolupment Program (Scenario 4h - 301 M	iti Street)	
如《中国的特别》(中国中国的中国的中国的国际,在1922年),中国的 <b>国际</b> 的特别的企业,在1920年的中国的工程的企业。在1922年,1922年	Number	Unit
Site Size	57,935	Square Feet
Amount of Area to be Demolished	-	Square Feet
Floor Area Ratio	4.91	Coverage
Base Building Height	65	Feet
Tower Building Height	240	Feet
Building Type	Residential	Use
Construction Term	28	Months
Building Footprint	33,200	Square Feet
Retail		
Gross Retail Area	20,300	Square Feet
Gross Retail Area in Base	20,300	Square Feet
Gross Retail Area in Tower		Square Feet
Net Leasable Retail Area	18,270	Square Feet
Office		· ·
Gross Office Area	· .	Square Feet
Gross Office Area in Base	·	Square Feet
Gross Office Area in Tower	_	Square Feet
Net Leasable Office Area	-	Square Feet
Residential	4	
Gross Residential Area	263,900	Square Feet
Gross Residential Area in Base	155,900	Square Feet
Gross Residential Area in Tower	108,000	Square Feet
Gross Live/Work Space in Base	6,000	Square Feet
Net Residential Unit Space	224,315	21% Efficiency
Total Units	261	Units
Residential Absorbtion Period	18	Months
Parking		**
Total Parking Area		Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces		Spaces
Podlum Parking - Half Below Grade		Spaces
Podium Parking - Ground Floor / Above Grade	-	Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution	*	•
Retail	On Street	Spaces
Office	• -	Spaces
Residential	-	Spaces

Average Capitalized Revenue per GFA	\$408
Capitalized Revenue by Building Use per GFA	
Retail	\$282
Office	N/A
Residential	\$418
Parking	NA
Square Feet Available for Community Benefit	-1,967
Community Benefit Space as % of GFA	-1%

Category	Public Benefit	<u>Per Building Sq. F</u>
Construction Costs		
85%	\$15,128,832	\$53
100%	(\$802,305)	(\$3)
115%	(\$16,733,443)	(\$59)
Developer Thresholds		
85%	\$494,610	\$2
100%	(\$802,305)	(\$3)
115%	(\$2,099,221)	(\$7)
Revenue Assumptions		
100%	(\$802,305)	(\$3)
115%	\$16,658,792	\$59
130%	\$34,119,889	\$120
85% Construction Costs, 115% Revenue	\$32,589,929	\$115

Pro Edina Aralysis "Devolutment Coats"	
Land Costs	
Land Costs	\$2,896,750
Hard Costs	
Demolition Costs	\$0
Site Work Cost	\$123,675
Parking Costs	\$0
Base Construction Costs	1
Retail Construction Costs	\$5,075,000
Office Construction Costs	\$0
Residential Construction Costs	\$40,475,000
Total Base Construction Costs	\$45,550,000
Tower Construction Costs	I
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$28,620,000
Total Tower Construction Costs	\$28,620,000
Hard Costs Sub Total	\$74,293,675
Soft Costs	
Architecture and Engineering	
Base Building	\$3,416,250
Tower Building	\$1,860,300
Total Architecture and Engineering	\$5,276,550
Bullding/Permitting/Impact Fees	\$9,127,984
Property Taxes	\$1,144,937
Construction Loan	\$6,843,431
Construction Loan Points	\$348,542
Overhead/Other	\$2,997,956
Contingency	\$5,146,491
Total Soft Costs	\$30,885,892
Total Development Cost	\$108,076,317

Рт Гота Analysis Development Revent	
Retail	
Annual Leasing Revenue	\$365,400
Less Vacancy	(\$36,540)
Less Operating Expenses	(\$24,380)
Less Broker Fees	(\$18,270)
Retail Revenue Sub Total	\$286,230
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0 \$0
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$8,223,546
Less Vacancy	(\$411,177)
Less Operations and Maintenance Expenses	(\$2,302,593)
Residential Rental Revenue Sub Total	\$5,509,776
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$0
Parking Revenue Sub Total	\$0 \$0
Net Annual Revenue	\$5,796,006
Capitalized Value	\$115,920,116

Capitalized Value	\$115,920,116
Total Development Cost	(\$109,076,317)
Not Revenue	\$7,843,800
Capitalized Value / Development Cost	107%
Developer Profit	\$8,845,105
Difference Available for Public Benefits	(\$802.305
Public Benefit per Building Sq. Ft.	
Public Benefit per Leasable Building Sq.	FC  \$44
Public Benefit per Residential Unit	100

Figure 56. Static Pro Forma - Scenario 5 (Mixed Use Office, +/-85')

San also and the same of the s	h Streeti	4
Development Program (Scenario 6-30), 191	Number	Unit
Site Size	57.935	Square Feet
Amount of Area to be Demolished	01,000	Square Feet
Floor Area Ratio	3.23	Coverage
Base Building Height	85	Feet
Tower Building Height		Feet
Building Type	Office	lise
Construction Term	18	Months
Building Footprint	46,100	Square Feet
Delicated Contract	70,700	oquato i bui
Retail		
Gross Retail Area	11,000	Square Feet
Gross Retail Area in Base	11,000	Square Feet
Gross Retail Area in Tower	-	Square Feet
Net Leasable Retail Area	9,900	Square Feet
Office		
Gross Office Area	145,900	Souare Feet
Gross Office Area in Base	145,900	Square Feet
Gross Office Area in Tower	,	Square Feet
Net Leasable Office Area	131,310	Square Feet
Residential		
Gross Residential Area	_	Square Feet
Gross Residential Area in Base		Square Feet
Gross Residential Area in Tower		Square Feet
Net Residential Unit Space		100% Efficiency
Total Units		Units
Residential Absorbtion Period		Months
Parking		
Total Parking Area	30,400	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	86	Spaces
Podium Parking - Helf Below Grade		Spaces
Podjum Parking - Ground Floor / Above Grade	86	Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution		-,
Retail	On Street	Spaces
Office	86.00	Spaces
Residential		Spaces

Average Capitalized Re	evenue per GFA		\$148
Capitalized Revenue	by Building Use per GFA		
Retail			\$188
Office			\$165
Residential		4.	N/A
Parking			\$54
Square Feet Available fo	or Community Benefit		-286,452
Community Benefit Spa	ce as % of GFA		-153%

Category	Public Benefit P	er Building Sq. F
Construction Costs		
85%	(\$32,533,396)	(\$174)
100%	(\$42,532,244)	(\$227)
115%	(\$52,531,093)	(\$280)
Developer Thresholds		
85%	(\$41,573,029)	(\$222)
100%	(\$42,532,244)	(\$227)
115%	(\$43,491,459)	(\$232)
Revenue Assumptions		
100%	(\$42,532,244)	(\$227)
115%	(\$36,233,353)	(\$193)
130%	(\$29,934,462)	(\$160)
85% Construction Costs, 115% Revenue	(\$26,234,504)	(\$140)

Pro Forma Analysis - Development Costs	
Land Costs	
Land Costs	\$2,896,750
Hard Costs	
Demolition Costs	\$0
Site Work Cost	\$59,175
Parking Costs	\$1,720,000
Base Construction Costs	
Retail Construction Costs	\$3,080,000
Office Construction Costs	\$40,852,000
Residential Construction Costs	<u>\$0</u>
Total Base Construction Costs	\$43,932,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	<u>\$0</u> \$0
Total Tower Construction Costs	\$0
Hard Costs Sub Total	\$45,711,175
Soft Costs	
Architecture and Engineering	
Base Building	\$3,075,240
Tower Building	\$0
Total Architecture and Engineering	\$3,075,240
Building/Permitting/Impact Fees	\$4,878,642
Property Taxes	\$707,023
Construction Loan	\$1,653,637
Construction Loan Points	\$206,229
Overhead/Other	\$1,773,861
Contingency	\$3,045,128
Total Soft Costs	\$15,339,759
	AAA # 177 # 2 -
Total Development Cost	\$63,947,684

Retall	
Annual Leasing Revenue	\$198,000
Less Vacancy	(\$19.600)
Less Operating Expenses	(\$13,200)
Less Broker Fees	(\$9,900)
Retail Revenue Sub Total	\$155,100
Office	,
Annual Leasing Revenue	\$3,361,536
Less Vacancy	(\$336,154)
Less Operations and Maintenance Expenses	(\$1,050,480)
Less Broker Fees	(\$168,077)
Office Revenue Sub Total	\$1,806,826
Residential	
Annual Rental Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Residential Rental Revenue Sub Total	\$0
Parking	
Annual Office Parking Rental Revenue	\$123,840
Annual Residential Parking Rental Revenue	\$0
Parking Revenue Sub Total	\$123,840
Net Annual Revenue	\$2,085,766
Capitalized Value	\$27,810,208

Capitalized Value	\$27,810,208
Total Development Cost	<u>(\$63,947.884</u>
Net Revenue	(\$36,197,476
Capitalized Value / Development Cost	439
Developer Profit	\$6,394,768
Difference Available for Public Benefits	(42.532.24
Public Benefit per Building Sq. Ft.	(44)
Public Benefit per Leasable Building S	r Ft.
r concessions per cossame constitut o	

Figure 57. Static Pro Forma - Scenario 6\* (Mixed Use Office, +/-240')

Dévelopment Program (Scenario 9 - 30) 198	1 Street)	
The Community Community of the Community Commu	Number	<u>Unit</u>
Site Size	57,935	Square Feet
Amount of Area to be Demolished		Square Feet
Floor Area Ratio	8.05	Coverage
Base Building Height	65	Feet
Tower Building Height	240	Feet
Building Type	Office	Use
Construction Term	28	Months
Building Footprint	45,700	Square Feet
Retail		
Gross Retail Area	10,600	Square Feet
Gross Retail Area in Base	10,600	Square Feet
Gross Retail Area in Tower	-	Square Feet
Net Leasable Retail Area	9,540	Square Feet
Office		
Gross Office Area	387,100	Square Feet
Gross Office Area in Base	84,700	Square Feet
Gross Office Area in Tower	302,400	Square Feet
Net Leasable Office Area	348,390	Square Feet
Residential		
Gross Residential Area		Square Feet
Gross Residential Area in Base	-	Square Feet
Gross Residential Area in Tower	• .	Square Feet
Net Residential Unit Space	-	100% Efficiency
Total Units		Units .
Residential Absorbtion Period	<del>-</del>	Months
Parking		
Total Parking Area	68,600	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	196	Spaces
Podium Parking - Half Below Grade		Spaces
Podium Parking - Ground Floor / Above Grade	196	Spaces
Podium Parking - Mechanical System	-	Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office	196.00	Spaces
Residential	* -	Spaces

Average Capitalized Revenue per GFA	\$166
Capitalized Revenue by Buliding Use per GFA	
Retail	\$188
Office	\$186
Residential	N/A
Parking	\$55
Square Feet Available for Community Benefit	-572,939
Community Benefit Space as % of GFA	-123%

Sensitivity Analysis Category	<u>Public Benefit</u>	Per Building Sq. Ft.
Construction Costs		
85%	(\$69,939,372)	(\$150)
100%	(\$95,309,829)	(\$204)
115%	(\$120,680,285)	(\$259)
Developer Thresholds		
85%	(\$92,952,374)	(\$199)
100%	(\$95,309,829)	(\$204)
115%	(\$97,667,264)	(\$209)
Revenue Assumptions		
100%	(\$95,309,829)	(\$204)
115%	(\$78,074,616)	(\$167)
130%	(\$80,839,403)	(\$130)
85% Construction Costs, 115% Revenue	(\$52,704,159)	(\$113)

Pro Forma Analysis (Beyplopment Costs)	
Land Costs	
Land Costs	\$2,896,750
Hard Costs	
Demolition Costs	\$0
Site Work Cost	\$61,175
Parking Costs	\$3,920,000
Base Construction Costs	
Retail Construction Costs	\$2,650,000
Office Construction Costs	\$24,563,000
Residential Construction Costs	\$0
Total Base Construction Costs	\$27,213,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$83,160,000
Residential Construction Costs	\$0
Total Tower Construction Costs	\$83,160,000
Hard Costs Sub Total	\$114,354,175
Soft Costs	
Architecture and Engineering	
Base Building	\$2,040,975
Tower Building	\$5,405,400
Total Architecture and Engineering	\$7,446,375
Building/Permitting/Impact Fees	\$12,180,055
Property Taxes	\$1,710,967
Construction Loan	\$6,224,925
Construction Loan Points	\$506,846
Overhead/Other	\$4,359,603
Contingency	\$7,483,985
Total Soft Costs	\$39,912,756
Washington and American	04074000-
Total Development Cost	\$157,163,681

Pro Forma Analysis - Development Revenue	
Retail	
Annual Leasing Revenue	\$190,800
Less Vacancy	(\$19,080)
Less Operating Expenses	(\$12,720)
Less Broker Fees	(\$9,540)
Retail Revenue Sub Total	\$149,460
Office	
Annual Leasing Revenue	\$9,615,514
Less Vacancy	(\$961,551)
Less Operations and Maintenance Expenses	(\$2,787,120)
Less Broker Fees	(\$480,776)
Office Revenue Sub Total	\$5,386,067
Residential	
Annual Rental Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	<u>\$0</u>
Residential Rental Revenue Sub Total	\$0
Parking	
Annual Office Parking Rental Revenue	\$282,240
Annual Residential Parking Rental Revenue	<u>\$0</u>
Parking Revenue Sub Total	\$282,240
Net Annual Revenue	\$5,817,767
Capitalized Value	\$77,570,221

Capitalized Value Total Development Cost	\$77,570,221 (\$157,163,681)
Net Revenue	(\$79,593,461)
Capitalized Value / Development Cost	49%
Developer Profit	\$15,716,368
Ofference Available for Public Senefits	
Public Benefit per Building Sq. Ft.	

Figure 58. Static Pro Forma – Scenario 7a (Mixed Use Residential with Parking, +/-65')

Obvelopment Program/Scenario 79 - 2100	Felegraph Aven Number	Unit
Site Size	93.334	Square Feet
Amount of Area to be Demolished	69,400	Square Feet
Floor Area Ratio	4.90	Coverage
Base Building Height	4.90 85	Feet
Tower Building Height		Feet
Building Type	Residential	Use
Construction Term	18	Months
Building Footprint	87,300	Square Feet
Retail		
Gross Retail Area	12,700	Square Feet
Gross Retail Area in Base	12,700	Square Feet
Gross Retail Area in Tower		Square Feet
Net Leasable Retail Area	11,430	Square Feet
Office		
Gross Office Area		Square Feet
Gross Office Area in Base	-	Square Feet
Gross Office Area in Tower	÷	Square Feet
Net Leasable Office Area	-	Square Feet
Residential		
Gross Residential Area	326,900	Square Feet
Gross Residential Area in Base	326,900	Square Feet
Gross Residential Area in Tower		Square Feet
Gross Live/Work Space in Base	11,300	Square Feet
let Residential Unit Space	277,865	18% Efficiency
Total Units	330	Units
Residential Absorbtion Period	34	Months
Parking		
Total Parking Area	117,800	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	336	Spaces
Podium Parking - Half Below Grade	168	Spaces
Podium Parking - Ground Floor / Above Grade	168	Spaces
Podium Parking - Mechanical System	7	Spaces
Parking Use Distribution	. نفست	
Retail	On Street	Spaces
Office		Spaces
Residential	336	Spaces

Average Capitalized Rev	enue per GFA	\$346
Capitalized Revenue b	y Buliding Use per GFA	
Retail		\$397
Office		N/A
Residential		\$446
Parking		\$62
Square Feet Available for	Community Benefit	31,874
Community Benefit Spac	e as % of GFA	7%

Sensitivity Analysis Category	Public Benefit Pe	r Bullding Sa. F
Construction Costs	Cameron (retained Superior (control of State)	
85%	\$30,815,792	\$67
100%	\$11,014,173	\$24
115%	(\$8,787,445)	(\$19)
Developer Thresholds	*	
85%	\$12,647,956	\$28
100%	\$11,014,173	\$24
115%	\$9,380,391	\$21
Revenue Assumptions		
100%	\$11,014,173	\$24
115%	\$34,768,085	\$76
130%	\$58,521,997	\$128
85% Construction Costs, 115% Revenue	\$54,569,703	\$119

Pro Forma Analysis Development Costs	
Land Costs	
Land Costs	\$4,666,700
Hard Costs	
Demolition Costs	\$347,000
Site Work Cost	\$30,170
Parking Costs	\$6,720,000
Base Construction Costs	
Retail Construction Costs	\$3,175,000
Office Construction Costs	\$0
Residential Construction Costs	\$84,550,000
Total Base Construction Costs	\$87,725,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	\$0
Hartl Costs Sub Total	\$94,822,170
Soft Costs	
Architecture and Engineering	
Base Building	\$6,579,375
Tower Building	\$O
Total Architecture and Engineering	\$6,579,375
	-
Building/Permitting/Impact Fees	\$8,292,924
Property Taxes	\$1,429,515
Construction Loan	\$9,658,873
Construction Loan Points	\$439,073
Overhead/Other	\$3,776,659
Contingency	\$6,483,264
Total Soft Costs	\$36,659,683
Total Development Cost	\$136,148,553

Pro Egrina Analysis - Development Revenu	9
Retail	
Annual Leasing Revenue	\$314,325
Less Vacancy	(\$31,433
Less Operating Expenses	(\$15,240
Less Broker Fees	(\$15,716
Retail Revenue Sub Total	\$251,936
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	• •
Office Revenue Sub Total	<u>\$0</u> \$0
Residential	·
Annual Rental Revenue	\$10.877,484
Less Vacancy	(\$543,874
Less Operations and Maintenance Expenses	(\$3,045,696
Residential Rental Revenue Sub Total	\$7,287.914
Parking	*- *** - * * * * * * * * * * * * * * *
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$362.880
Parking Revenue Sub Total	\$362,880
Net Annual Revenue	\$7,902,731
Capitalized Value	\$158,054,611

Capitalized Value	\$158,054,611
Total Development Cost	(\$136,148,553)
Not Revenue	\$21,906,058
Capitalized Value / Development Cost	118%
Developer Profit	\$10,891,884
Difference Available for Public Senetits	\$11,074.173
Public Benefit per Building Sq. Ft.	\$24
Public Benefit per Leasable Bullding Sq.	Ft. \$964
Public Senelit per Residential Unit	\$33,337

Figure 59. Static Pro Forma - Scenario 7b (Mixed Use Residential without Parking, +/-65')

Sevelopment Program (Spenario 75 - 2100).	elegrapii Aven	uej. je
The state of the s	Number	Unit
Site Size	93,334	Square Feet
Amount of Area to be Demolished	69,400	Square Feet
Floor Area Ratio	3.72	Coverage
Base Building Height	65	Feet
Tower Building Height	• .	Feet
Building Type	Residential	Use
Construction Term	18	Months
Building Footprint	64,600	Square Feet
Retail		
Gross Retail Area	16,200	Square Feet
Gross Retail Area in Base	16,200	Square Feet
Gross Retail Area in Tower		Square Feet
Net Leasable Retail Area	14,580	Square Feet
Office		
Gross Office Area	, . <del>-</del>	Square Feet
Gross Office Area in Base		Square Feet
Gross Office Area in Tower	-	Square Feet
Net Leasable Office Area	-	Square Feet
Residential		
Gross Residential Area	330,900	Square Feet
Gross Residential Area in Base	330,900	Square Feet
Gross Residential Area in Tower		Square Feet
Gross Live/Work Space in Base	40,000	Square Feet
Net Residential Unit Space	281,265	19% Efficiency
Total Units	349	Units
Residential Absorbtion Period	35	Months
Parking		•
Total Parking Area		Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	. ~	Spaces
Podium Parking - Half Below Grade		Spaces
Podium Parking - Ground Floor / Above Grade	-	Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution	1.5	
Retail	On Street	Spaces
Office	-	Spaces
Residential		Spaces

Average Capitalized Revenue per GFA		\$464
Capitalized Revenue by Building Use per GFA		
Retail		\$397
Office		NA
Residential		\$467
Parking		N/A
Square Feet Available for Community Benefit		21,311
Community Benefit Space as % of GFA		6%

Sensifivity Analysis		
Category	Public Benefit P	er Building Sq. Ft.
Construction Costs		
85%	\$30,197,125	\$87
100%	\$9,884,836	\$28
115%	(\$10,427,453)	(\$30)
Developer Thresholds	•	
85%	\$11,563,849	\$33
100%	\$9,884,836	\$28
115%	\$8,205,823	\$24
Revenue Assumptions		
100%	\$9,884,836	\$28
115%	\$34,092,560	\$98
130%	\$58,300,285	\$168
85% Construction Costs, 115% Revenue	\$54,404,849	\$157

Pro Forma Analysis - Development Cosis :	A
Land Costs	
Land Costs	\$4,666,700
Hard Costs	
Demolition Costs	\$347,000
Site Work Cost	\$143,670
Parking Costs	\$0
Base Construction Costs	į
Retail Construction Costs	\$4,050,000
Office Construction Costs	\$0
Residential Construction Costs	\$92,725,000
Total Base Construction Costs	\$96,775,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	\$0
Hard Costs Sub Total	\$97,265,670
Soft Costs	
Architecture and Engineering	
Base Building	\$7,258,125
Tower Building	\$0
Total Architecture and Engineering	\$7,258,125
Building/Permitting/Impact Fees	\$8,162,956
Property Taxes	\$1,466,918
Construction Loan	\$10,102,207
Construction Loan Points	\$451,229
Overhead/Other	\$3,881,214
Contingency	\$6,662,751
Total Soft Costs	\$37,985,401
Total Development Cost	\$139,917,771

Pro Forma Analysis - Development Revenu	
Retail	
Annual Leasing Revenue	\$400,950
Less Vacancy	(\$40,095)
Less Operating Expenses	(\$19,440)
Less Broker Fees	(\$20,048)
Retail Revenue Sub Total	\$321,368
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	. \$0
Office Revenue Sub Total	\$0
Residential	
Annual Rental Revenue	\$11,534,976
Less Vacancy	(\$578,749)
Less Operations and Maintenance Expenses	(\$3,229,793)
Residential Rental Revenue Sub Total	\$7,728,434
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	<u>\$0</u>
Parking Revenue Sub Total	\$0
Net Annual Revenue	\$8,049,801
Capitalized Value	\$160,995,028

96,028
117,771)
\$21,078,258
115%
93,422
84,838 \$28
\$678
<b>. 3</b> 070 28,311

Figure 60. Static Pro Forma - Scenario 8a\* (Mixed Use Residential with Parking, +/-175\*)

Cavelopment Program (Svenada Sa	100 Felegraph Aven	0405.2. 605.000.450000.02002500
m. m.	Number	Unit
Site Size	93,334	Square Feet
Amount of Area to be Demolished Floor Area Ratio	69,400 6.83	Square Feet
Pioor Area Ratio Base Building Height	6.83 65	Coverage Feet
Tower Building Height	175	Feet
Building Type	Residential	Use
Construction Term	28	Months
Building Footprint	83.600	Square Feet
Building rootprint	03,000	Square reet
Retall		
Gross Retail Area	19,000	Square Feet
Gross Retail Area in Base	19,000	Square Feet
Gross Retail Area in Tower	÷ ,	Square Feet
Net Leasable Retail Area	17,100	Square Feet
Office		
Gross Office Area		Square Feet
Gross Office Area in Base		Square Feet
Gross Office Area in Tower	·	Square Feet
Net Leasable Office Area		Square Feet
14et Ceasana Office At Sa	•	aduare reet
Residential		
Gross Residential Area	458,000	Square Feet
Gross Residential Area in Base	276,000	Square Feet
Gross Residential Area in Tower	180,000	Square Feet
Gross Live/Work Space in Base		Square Feet
Net Residential Unit Space	387,600	18% Efficiency
Total Units	446	Units
Residential Absorbtion Period	30	Months
Parking		
Total Parking Area	162,800	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	465	Spaces
Podium Parking - Half Below Grade	•	Spaces
Podium Parking - Ground Floor / Above Gr	ade . 465	Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution	* * * * * * * * * * * * * * * * * * * *	
Retail	On Street	Spaces
Office	. •	Spaces
Residential	465	Spaces

Average Capitalized Revenue per GFA	\$353
Capitalized Revenue by Buliding Use per GFA	
Retail	\$397
Office	NA
Residential	\$455
Parking	\$62
Square Feet Available for Community Benefit	39,821
Community Benefit Space as % of GFA	6%

Sensitivity Analysis Category	Public Benefit	Per Building Sq. Ft.
Construction Costs		
85%	\$42,941,742	\$67
100%	\$14,041,543	\$22
115%	(\$14,858,655)	(\$23)
Developer Thresholds	•	
85%	\$16,384,398	\$26
100%	\$14,041,543	\$22
115%	\$11,698,688	\$18
Revenue Assumptions		
100%	\$14,041,543	\$22
115%	\$47,844,714	\$75
130%	\$81,647,885	\$128
85% Construction Costs, 115% Revenue	\$76,744,913	\$120

Pro Forna Analysis   Development Costs	
Land Costs	
Land Costs	\$4,666,700
Hard Costs	
Demolition Costs	\$347,000
Site Work Cost	\$48,670
Parking Costs	\$9,300,000
Base Construction Costs	
Retail Construction Costs	\$4,750,000
Office Construction Costs	\$0
Residential Construction Costs	\$69,000,000
Total Base Construction Costs	\$73,750,000
Tower Construction Costs	-
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$49,500,000
Total Tower Construction Costs	\$49,500,000
Hard Costs Sub Total	\$132,945,670
Soft Costs	
Architecture and Engineering	
Base Building	\$5,531,250
Tower Building	\$3,217,500
Total Architecture and Engineering	\$8,748,750
Building/Permitting/Impact Fees	\$16,189,442
Property Taxes	\$2,031,882
Construction Loan	\$15,313,025
Construction Loan Points	\$629,634
Overhead/Other	\$5,415,753
Contingency	\$9,297,043
Total Soft Costs	\$57,625,529
Total Development Cost	\$195,237,899

Pro Formit Analysis "Development Reve Retall	illue
Annual Leasing Revenue	\$470,250
Less Vacancy	(\$47,025)
Less Operating Expenses	(\$22,800)
Less Broker Fees	(\$23,513)
Retail Revenue Sub To	tal \$376,913
Office	
Annual Lessing Revenue	<b>\$</b> O
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub To	
Residential	
Annual Rental Revenue	\$15,471,360
Less Vacancy	(\$773,568)
Less Operations and Maintenance Expenses	(\$4,331,981)
Residential Rental Revenue Sub To	tal \$10,365,811
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$502,200
Parking Revenue Sub To	tal \$502,200
Net Annual Revenue	\$11,244,924
Capitalized Value	\$224,898,474

Capitalized Value	\$224,898,474
Total Development Cost	(\$195,237,899
Net Revenue	\$29,660,575
Capitalized Value / Development Cost	115%
Marine Park Marine	*** *** ***
•	\$15,619,032 \$14,041,543
Difference Available for Public Benefits	\$14,041,543
Developer Profit Difference Available for Public Benefits Public Benefit per Building Sq. Ft Public Benefit per Leasable Building Sq	

Figure 61. Static Pro Forma - Scenario 8b\* (Mixed Use Residential without Parking, +/-175')

Development Program (Scenario 8b - 2100	Telegraph Aven	uel
en e	Number	Unit
Site Size	93,334	Square Feet
Amount of Area to be Demolished	69,400	Square Feet
Floor Area Ratio	5.45	Coverage
Base Building Height	65	Feet
Tower Building Height	175	Feet
Building Type	Residential	Use
Construction Term	28	Months
Suilding Footprint	63,100	Square Feet
Retail		
Gross Retail Area	20,300	Square Feet
Gross Retail Area in Base	20,300	Square Feet
Gross Retail Area in Tower	-	Square Feet
Net Leasable Retail Area	18,270	Square Feet
Office		
Gross Office Area		Square Feet
Gross Office Area in Base	-	Square Feet
Gross Office Area in Tower		Square Feet
Net Leasable Office Area	-	Square Feet
Residential	-	
Gross Residential Area	488,100	Square Feet
Gross Residential Area in Base	308,100	Square Feet
Gross Residential Area in Tower	180,000	Square Feet
Gross Live/Work Space in Base	33,700	Square Feet
Net Residential Unit Space	414,885	18% Efficiency
Total Units	501	Units
Residential Absorbtion Period	34	Months
Parking		=
Total Parking Area		Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	-	Spaces
Podium Parking - Half Below Grade	-	Spaces
Podium Parking - Ground Floor / Above Grade	-	Spaces
Podium Parking - Mechanical System	-	Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office	•	Spaces
Residential	-	Spaces

Average Capitalized Revenue per GFA	\$468
Capitalized Revenue by Building Use per GFA	
Retail	\$397
Office	NA
Residential	\$470
Parking	N/A
Square Feet Available for Community Benefit	29,163
Community Benefit Space as % of GFA	6%

Sensitivity Analysis		
Category	Public Benefit	Per Building Sq. Ft.
Construction Costs		
85%	\$44,263,013	\$87
100%	\$13,634,953	\$27
115%	(\$16,993,107)	(\$33)
Developer Thresholds		
85%	\$16,124,576	\$32
100%	\$13,634,953	\$27
115%	\$11,145,330	\$22
Revenue Assumptions		•
100%	\$13,634,953	\$27
115%	\$49,363,187	\$97
130%	\$85,091,421	\$167
85% Construction Costs, 115% Revenue	\$79,991,247	\$157

Pro Porma Analysis Development Lests	
Land Costs	
Land Costs	\$4,666,700
Hard Costs	
Demolition Costs	\$347,000
Site Work Cost	\$151,170
Parking Costs	\$0
Base Construction Costs	
Retail Construction Costs	\$5,075,000
Office Construction Costs	\$0
Residential Construction Costs	\$85,450,000
Total Base Construction Costs	\$90,525,000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$49,500,000
Total Tower Construction Costs	\$49,500,000
Hard Costs Sub Total	\$140,523,170
Soft Costs	_
Architecture and Engineering	
Base Building	\$6,789,375
Tower Building	\$3,217,500
Total Architecture and Engineering	\$10,006,875
Building/Permitting/impact Fees	\$16,528,697
Property Taxes	\$2,146,568
Construction Loan	\$17,293,020
Construction Loan Points	\$669,078
Overhead/Other	\$5,755,023
Contingency	\$9,879,457
Total Soft Costs	\$62,278,718
	****
Total Development Cost	\$207,468,588

Pro Forma Analysia Development Revenu	
Retail	
Annual Leasing Revenue	\$502,425
Less Vacancy	(\$50,243)
Less Operating Expenses	(\$24,360)
Less Broker Fees	(\$25,121)
Retail Revenue Sub Total	\$402,701
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	<u>\$0</u> \$0
Residential	
Annual Rental Revenue	\$17,137,836
Less Vacancy	(\$856,892)
Less Operations and Maintenance Expenses	(\$4,796,594)
Residential Rental Revenue Sub Total	\$11,482,350
Parking	
Annual Office Parking Rental Revenue	\$0
Annual Residential Parking Rental Revenue	\$0
Parking Revenue Sub Total	<u>\$0</u> \$0
	•
Net Annual Revenue	\$11,885,051
Capitalized Value	\$237,701,027

Pro Forma Apalysis, Net Revenii	
Capitalized Value	\$237,701,027
Total Development Cost	(\$207,468,588)
Nat Revenue	\$30,232,440
Capitalized Value / Development Cost	115%
Developer Profit	\$16,597,487
Difference Available for Public Bene	171ta \$13,624,953
Public Benefit per Building Sq. Ft.	
Public Benefit per Leasable Building	g Sq. Ft \$746
Public Benefit per Residential Unit	\$27.214

Figure 62. Static Pro Forma - Scenario 9 (Mixed Use Condo with Parking, +/-65')

Development Program (Scenario 9 - 2100 T	4000 0000 <b>200</b> 0 0000 <b>2000</b> 2000 0000 00	
ou- mi	Number	<u>Unit</u>
Site Size Amount of Area to be Demolished	93,334	Square Feet
	69,400	Square Feet
Floor Area Ratio	4.90	Coverage
Base Building Height	65	Feet
Tower Building Height	Para Salara de Sala	Feet
Building Type	Residential	Use
Construction Term	18	Months
Building Footprint	87,300	Square Feet
Retail		
Gross Retail Area	12,700	Square Feet
Gross Retail Area in Base	12,700	Square Feet
Gross Retail Area in Tower	_	Square Feet
Net Leasable Retail Area	11,430	Square Feet
Office		
Gross Office Area	_	Square Feet
Gross Office Area in Base		Square Feet
Gross Office Area in Tower	-	Square Feet
Net Leasable Office Area	-	Square Feet
Residential		
Gross Residential Area	326,900	Square Feet
Gross Residential Area in Base	326,900	Square Feet
Gross Residential Area in Tower	<u>-</u>	Square Feet
Gross Live/Work Space in Base	11,300	Square Feet
Net Residential Unit Space	277,865	18% Efficienc
Total Units	330	Units
Residential Absorbtion Period	40	Months
Parking	r e	•
Total Parking Area	117,800	Square Feet
Average Parking Space	350	Square Feet
Total Parking Spaces	336	Spaces
Podium Parking - Half Below Grade	168	Spaces
Podium Parking - Ground Floor / Above Grade	168	Spaces
Podium Parking - Mechanical System		Spaces
Parking Use Distribution		
Retail	On Street	Spaces
Office		Spaces
Residential	336	Spaces

Average Capitalized Revenue per GFA	\$6,346
Capitalized Revenue by Building Use per GFA	
Retail	\$397
Office	N/A
Residential	\$8,877
Parking	\$5
Square Feet Available for Community Benefit	-686
Community Benefit Space as % of GFA	0%

Category	Public Benefit P	er Building Sq. Ft
Construction Costs		
85%	(\$13,098,893)	(\$28)
100%	(\$37,324,626)	(\$80)
115%	(\$61,550,360)	(\$132)
Developer Thresholds		
85%	(\$35,132,265)	(\$75)
100%	(\$37,324,626)	(\$80)
115%	(\$39,516,988)	(\$85)
Revenue Assumptions		
100%	(\$37,324,626)	(\$80)
115%	(\$16,317,742)	(\$35)
130%	\$4,689,142	\$10
85% Construction Costs, 115% Revenue	\$39,100,778	\$85

Land Costs Land Costs \$4,666;	
4 1,4444	
Hard Costs	200
Demolition Costs \$347.	
Site Work Cost \$30.	
Parking Costs \$6,720,	000
Base Construction Costs	
Retail Construction Costs \$3,175.	000
Office Construction Costs	\$0
Residential Construction Costs \$87,932.	000
Total Base Construction Costs \$91,107.	000
Tower Construction Costs	
Retail Construction Costs	\$0
Office Construction Costs	\$0
Residential Construction Costs	\$0
Total Tower Construction Costs	\$0
Hard Costs Sub Total \$98,204,	
Soft Costs	
Architecture and Engineering	
Base Building \$6,833.	025
Tower Building	\$0
Total Architecture and Engineering \$6,833,	025
Building/Permitting/Impact Fees \$8,318,	
Property Taxes \$1,475,	
Construction Loan \$11,118,	
Construction Loan Points \$457,	
Overhead/Other \$3,932,	
Defect Liability Insurance	\$0
Contingency \$6,750,	
Total Soft Costs \$38,884.	427
Total Development Cost \$141,755,	297

Pro Forma Analysis - Development Revenue	
Retail	
Annual Leasing Revenue	\$314,325
Less Vacancy	(\$31,433)
Less Operating Expenses	(\$15,240)
Less Broker Fees	(\$15,716 <u>)</u>
Retail Revenue Sub Total	\$251,936
Office	
Annual Leasing Revenue	\$0
Less Vacancy	\$0
Less Operations and Maintenance Expenses	\$0
Less Broker Fees	\$0
Office Revenue Sub Total	\$0
Residential	
Sales Revenue	\$151,139,100
Less Broker and Marketing Expenses	(\$6,045,564)
Residential Rental Revenue Sub Total	\$145,093,536
Parking	
Annual Office Parking Rental Revenue	\$0
Residential Parking Purchase Revenue	\$30,240
Parking Revenue Sub Total	\$30,240
Net Residential Revenue	\$145,123,776
Capitalized Value of Retail	\$5,038,725
Total Net Revenue	\$150,162,501

Total Net Revenue	\$150,162,501
Total Development Cost	<u>(\$141,755,297)</u>
Net Revenue	\$8,407,204
Net Revenue / Development Cost	106%
Developer Profit	\$12,757,977
Difference Available for Public Benefits	(\$4,350,773)
Public Benefit per Building Sq. Ft.	
Public Benefit per Leasable Building Sq	(\$381)

# Appendix B - Sensitivity Analyses Values

**Table 13. Construction Cost Ranges for Sensitivity Analysis** 

	15.4		
65' Base			
Retail (Ground Floor)	\$213	\$250	\$288
Office (Floors 2-8)	\$247	\$290	\$334
Residential (Floors 2-6)	\$213	\$250	\$288
85' Base		7	
Retail (Ground Floor)	\$238	\$280	\$322
Office (Floors 2-6)	\$238	\$280	\$322
Residential (Floors 2-7)	\$230	\$270	\$311
175' Tower			
Retail (Ground Floor)	\$234	\$275	\$316
Office (Floors 1-12)	\$247	\$290	\$334
Residential (Floors 2-15)	\$234	\$275	\$316
240' Tower			
Retail (Ground Floor)	\$265 - \$275	\$305 - \$316	\$345 - \$358
Office (Floors 2-18)	\$234	\$275	\$316
Residential (Floors (2-21)	\$225	\$265	\$305
Parking Costs			
Podium Parking - Half Below Grade	\$17,000	\$20,000	\$23,000
Podium Parking - Ground Floor / Above Grade	\$17,000	\$20,000	\$23,000
Podium Parking - Mechanical System	\$25,500	\$30,000	\$34,500

Source: AECOM

Table 14. Developer Threshold Ranges for Sensitivity Analysis

85% 100% 1155%				
Retail and Office Profit Requirements	9%	10%	12%	
Rental Profit Requirements	7%	8%	9%	
Condominium Profit Requirements	8%	9%	10%	

Table 15. Revenue Ranges for Sensitivity Analysis

Lease and Rental Rates - Average			
Average Retail Lease Rate	nor on	000 77	***
Average Office Lease Rate	\$25.00	\$28.75	\$32.50
Average Rent Per Sq. Ft. of Living Area	\$32.00	\$36.80	\$41.60
Average Rent Per Sq. Ft. of Live/Work Area	\$2.90	\$3.34	\$3.77
Revenue Premium for Towers	\$1.60	\$1.84	\$2.08
Parking Revenue - Average	\$1.10	\$1.27	\$1.43
Office			
Residential	\$120.00	\$138.00	\$156.00
Lease and Rental Rates - 226 13th Street	\$90.00	\$103.50	\$117.00
Average Retail Lease Rate			
Average Office Lease Rate	\$20.00	\$23.00	\$26.00
Average Rent Per Sq. Ft. of Living Area	\$25.60	\$29.44	\$33.28
Average Rent Per Sq. Ft. of Live/Work Area	\$2.60	\$2.99	\$3.38
Parking Revenue - 226 13th Street	\$1.40	\$1.61	\$1.82
Office			
Residential	\$120.00	\$138.00	\$156.00
Lease and Rental Rates - 301 19th Street	\$90.00	\$103.50	\$117.00
Average Retail Lease Rate			
Average Office Lease Rate	\$20.00	\$23.00	\$26.00
Average Rent Per Sq. Ft. of Living Area	\$25.60	\$29.44	\$33.28
Average Rent Per Sq. Ft. of Live/Work Area	\$2.90	\$3.34	\$3.77
Parking Revenue - 301 19th Street	\$1.60	\$1.84	\$2.08
Office			
Residential	\$120.00	\$138.00	\$156.00
Lease and Rental Rates - 2100 Telegraph Avenue	\$90.00	\$103.50	\$117.00
Average Retail Lease Rate			
Average Office Lease Rate	\$27.50	\$31.63	\$35.75
Average Rent Per Sq. Ft. of Living Area	\$35.20	\$40.48	\$45.76
Average Condo Sales Price Per Sq. Ft. of Living Area	\$3.20	\$3.68	\$4.16
Average Rent Per Sq. Ft. of Live/Work Area	\$500.00	\$575.00	\$650.00
Parking Revenue - 2100 Telegraph Avenue	\$1.80	\$2.07	\$2.34
Office			
Residential - Rental	\$120.00	\$138.00	\$156.00
Residential - For Sale	\$90.00	\$103.50	\$117.00



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