

# **DOWNTOWN LANGLEY MASTER PLAN**

## **Phase 2: Urban Design and Economics**

# ***Purpose and Scope***

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## ***Downtown Development Potential***

***The purpose of this Phase 2 Downtown Master Plan Study is to further examine the seven Special Design Districts within the Downtown Master Plan and select special sites for detailed urban design and economic analysis. The results could be used as a package of potential projects for prospective developers.***

*This study follows the approval of the Downtown Master Plan by Council. Emanating from the Master Plan's recommendations was undertaking further detailed studies for specific sites to determine their feasibility for redevelopment and add to the promotional material for the Downtown.*

*This **Phase 2: Implementation Study** for the Downtown Master Plan looks at seven sites in detail after examining 24 sites as part of the initial selection process. Section 1 summarizes the study findings and design guidelines, while Section 2 provides further details on each of the 7 sites. Section 3 of this report included a preliminary design analysis of the original 24 sites. A separate land economics report and proforma analysis summarizes the economic prospects of each of the sites.*

*The urban design and economic analysis for the 7 sites is still preliminary in nature and requires further site specific economic, technical, and architectural studies as part of a specific site development feasibility and application process. This study represents the potential prospects of downtown redevelopment.*

*We would like to thank the City of Langley Staff and Council for their enthusiasm and support throughout this plan development process.*

*Respectfully submitted,*

A handwritten signature in black ink, appearing to read "M. von Hausen".

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*September 15, 2008*

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## Purpose and Scope

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## 1.0 SUMMARY:

### 1.1 Goals

- To examine the general redevelopment potential of 24 sites within the Downtown Special Design Districts in terms of urban design, land use and economic returns.
- To complete further analysis of 7 specific sites that exhibit the best potential and represent a diversity of site profiles.
- To develop specific analysis and graphic materials that can be packaged to showcase the potential to prospective developers.

### 1.2 Process and Contents

This study first examined 24 potential redevelopment sites within Downtown Langley. An interdisciplinary team of architects, land economists, urban designers, and landscape architects examined both the physical and economic potential of each site. These sites were examined from a schematic design, land use and economic perspective as illustrated in section 3 and included in a separate economic report. From this analysis, 7 sites were chosen to do further refined design and detailed economic analysis based on their location, redevelopment potential, and diversity of development opportunities.

The following summarizes the findings of the study. Detailed economic analysis is part of a separate report that includes proforma cash flow projections and accompanying return analysis for each of the 7 properties.

### 1.3 Summary of Findings

- There is significant potential in Downtown Langley. Specifically, the 7 development sites that were examined in detail offer a variety of land uses, locations, and density potential. What is clear is that Downtown Langley has a healthy core with significant more

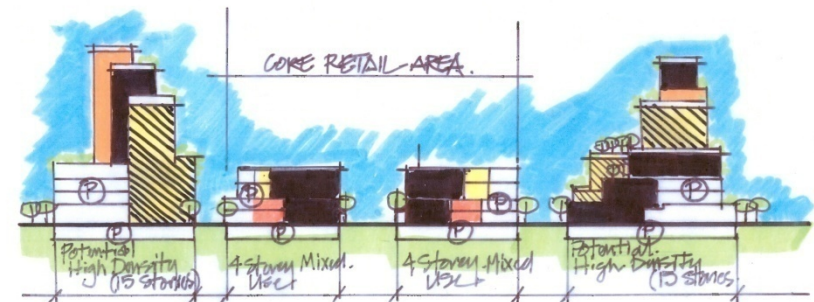
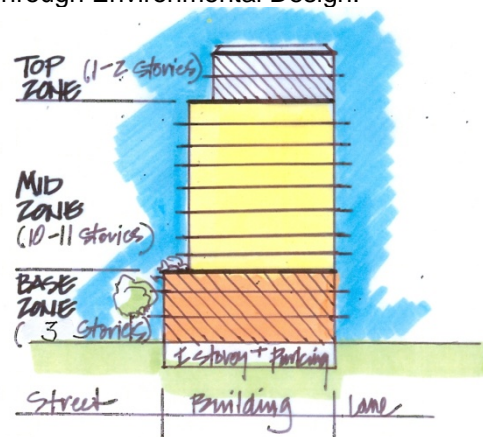
- development potential around its edges to give more life and success while retaining its valued character.
- The 7 sites have various development potentials limited by a maximum height of 15 stories (150 feet) based on airport regulations and a maximum of one level of underground parking based on soil limitations.
- These limitations somewhat constrain the maximum density target of 150 units per acre on the 7 sites with densities varying from approximately 65 units per acre (160 uha) for 4 storey development up to a maximum of 150 units per acre (371 uha) for up to 15 storey developments, assuming an average apartment size of 800 – 1,000 square feet (74m<sup>2</sup>- 93m<sup>2</sup>).
- The development form for each site varies from 4 stories to 15 stories based on location and guidelines of the Downtown Master Plan for form, height, and massing.
- The maximum height of 15 stories is generally limited to the larger sites that can more easily accommodate higher buildings while being sensitive to adjoining uses where possible.
- The land uses vary based on the project location, from strictly residential condominiums to mixed use commercial retail and office on the ground floor with residential units above. One exception is a proposal for a hotel and wellness/spa complex that is an extension of the existing Coast Hotel with a special Regional Transit Hub.
- Care should be taken to limit the amount of specialty retail outside the Downtown Core Retail Area and retain grocery store uses as in the redevelopment of the Langley Mall site.
- Each site has short, medium, or long development potential based on the potential use, location, and size of redevelopment. The smaller sites and 4 storey

developments tend to have immediate or short term redevelopment potential whereas the larger and more complex sites tend to have medium to long term potential (5 to 20 years). The higher proposed buildings with the associated higher concrete construction premium will take a longer time to be accepted into the Langley Downtown marketplace.

#### 1.4 Design Guidelines and Regulations

The 7 sites in Section 2 have the following guidelines and standards (see Downtown Master Plan Sections 5.2 & 5.3 Design Guidelines and Regulations for details):

- A rich pedestrian-oriented streetscape with tree planting as well as street furniture to promote a safe walking environment.
- Enhancement of transit in and to the Downtown area.
- Street-oriented apartments, condominiums, and townhouses to further enhance the “eyes on the street” and associated Crime Prevention Through Environmental Design.



- Stepped back upper stories in the higher buildings with a mix of units to provide sensitivity in building massing to adjoining uses and the street.
- Amenity areas with each building to provide rich community interaction opportunities.
- Adequate structured parking with convenient access yet buffered from the street.
- Land uses fit to the location and adjacent character of the immediate area.
- The provision of a diversity and choice of housing and business opportunities in the Downtown.
- The opportunity to provide potential amenity contributions in the Downtown where the densities exceed the base density of 100 units per acre.
- The potential to partner with provincial, federal or private interests on some of these projects including the Regional Transit Hub and the Coast Hotel and Convention Centre.

#### 1.4 Seven Sites Development Potential Summary

Site	Use/Location	Units	Height/ Stories	Density Units/acre
#4	Residential 56 <sup>th</sup> Ave. /201A St.	63	4	65 upa
#6	Residential 56 <sup>th</sup> Ave. / 203 <sup>rd</sup> St.	120	15	150 upa
#14	Residential/Commercial Mixed Use Douglas Cr. / 204 <sup>th</sup> St.	925 95k Com.	6-15	109 upa
#15	Residential Park Ave. / Douglas Pk.	120	4	70 upa
#18	Hotel/Spa Transit Hub South side of Logan Ave. / Glover Rd.	356 rooms	15	Hotel specific
#19	Residential/Commercial Mixed Use North side of Logan Ave. /Glover Rd.	1,140 73k Com.	6-15	108 upa
#24	Residential with Legion Space 56 <sup>th</sup> Ave. / Eastleigh Cres.	88	4	75 upa



- Site 4:** This potential 4 storey residential building wraps along the 56<sup>th</sup> Avenue and 201A Street fronts providing an opportunity for an amenity space on the inside of the lot. Condominiums will have ground floor units with patios to create a street presence. This building is envisioned to be contemporary but complement the adjoining 4 storey character of the area.
- Site 6:** This potential 15 storey building wraps apartment units along the outside of a 3 storey parking garage on the lower levels along 56<sup>th</sup> Avenue and 203<sup>rd</sup> Street. A roof garden is located on a 3<sup>rd</sup> floor deck with residential units above. The tower is located on the east portion of the lot to reduce any adjacent impacts.
- Site 14:** The existing Langley Mall on Douglas Crescent could transform into a series of 4 – 15 storey residential towers with commercial along the street fronts and 6 stories of residential set back above the street. Parking will be on the first level with an expansive central roof courtyard garden above.
- Site 15:** This Park Avenue property is a prime location for a 4 storey condominium on the western edge of Douglas Park. An interior courtyard will also provide an additional amenity area adjacent to other 4 storey development.
- Site 18:** Adjoining the existing Cascades Casino and Coast Hotel and Convention Centre, this site has the potential to extend the existing Hotel uses across the lane into a two 15 storey tower ``Wellness and Resort Spa`` facility that complements the entertainment theme of the area. A Regional Transit Hub also has the potential to be combined with the site planning on the eastern part of the site as an improvement to the existing facility.
- Site 19:** Across the street fronting on Glover Road from site 18 is the potential for a significant residential development with opportunity for 6 – 15 storey towers and commercial development along the street frontages. On the second level above the parking structure is an interior expansive courtyard garden insulated from the exterior street noise. A corner drop-off plaza provides a convenient drop-off area.
- Site 24:** The existing Legion site has the potential to be converted into a 4 storey residential building while still retaining a Legion meeting facility or relocating it to another location.

## **SECTION 2:**

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**DETAILED URBAN DESIGN  
FOR 7 SITES**





SITE #4. CONCEPT STUDY.

VERTICAL RHYTHM  
OF BAYS

ENTRY ROOFS  
@ GROUND  
FLOOR

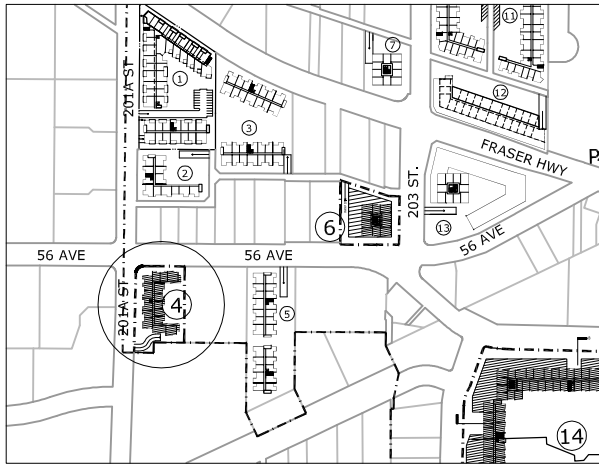
INDIVIDUAL  
ENTRIES @  
STREET

PUBLIC SEATING

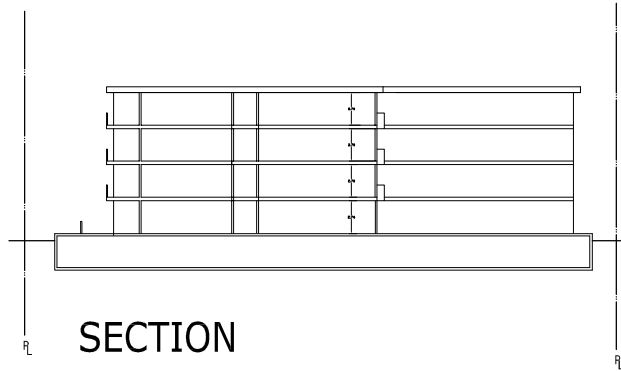
OPPORTUNITY  
FOR  
PUBLIC ART

STREET TREES  
& SIDEWALK  
LANDSCAPE





KEY PLAN



SECTION

SYNOPSIS:

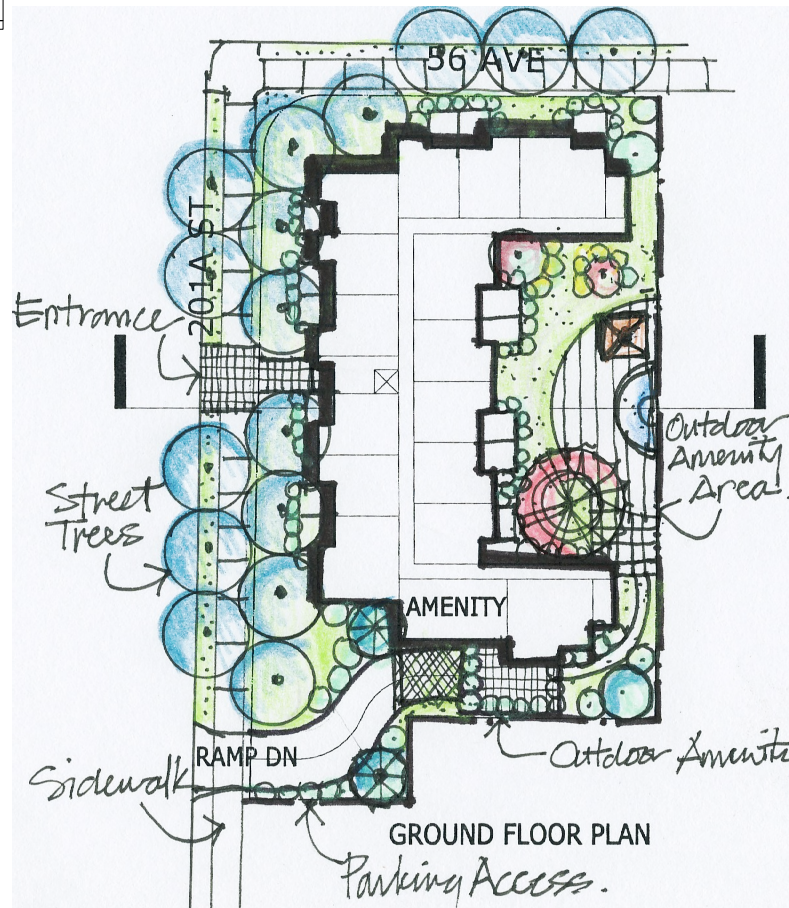
4

SITE AREA: 3,939.94 SM  
 FLOOR AREA: 6,108 SM  
 FSR: 1.6  
 RESIDENTIAL UNITS: 63

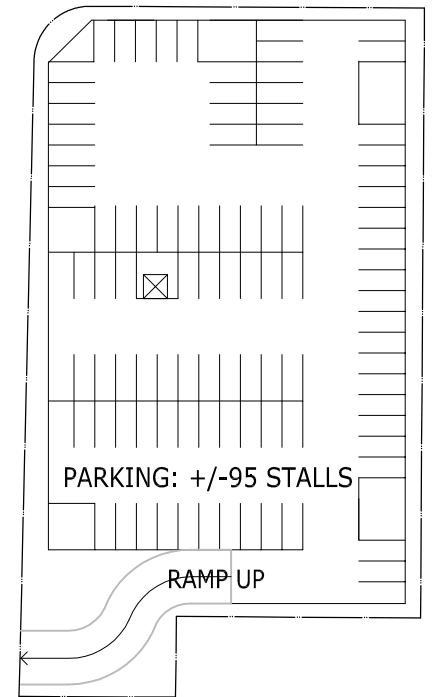
4 STOREY RESIDENTIAL BUILDING  
 1 LEVEL UNDERGROUND PARKING

LEVEL 4: 1,500 SM 16 UNITS  
 LEVEL 3: 1,500 SM 16 UNITS  
 LEVEL 2: 1,500 SM 16 UNITS  
 LEVEL 1: 1,500 SM 15 UNITS

4 LEVELS = 6,000 SM 63 UNITS x 1.5  
 +/-95 STALLS REQ'D./PROVIDED



GROUND FLOOR PLAN



UNDERGROUND PARKING PLAN

SITE #6 . CONCEPT STUDY

PODIUM SHOULD  
HAVE A RESIDENTIAL  
EXPRESSION

GREEN ROOF

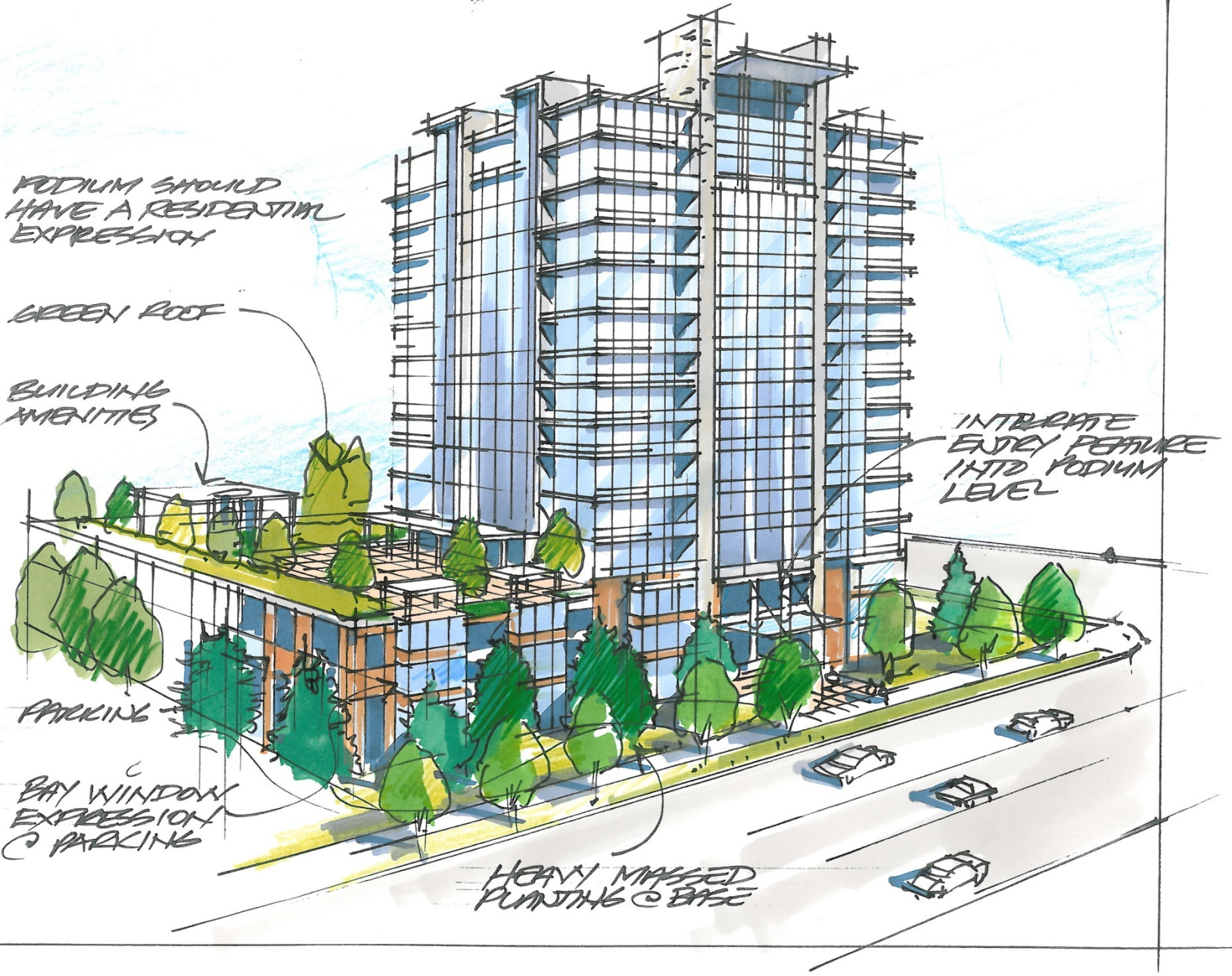
BUILDING  
AMENITIES

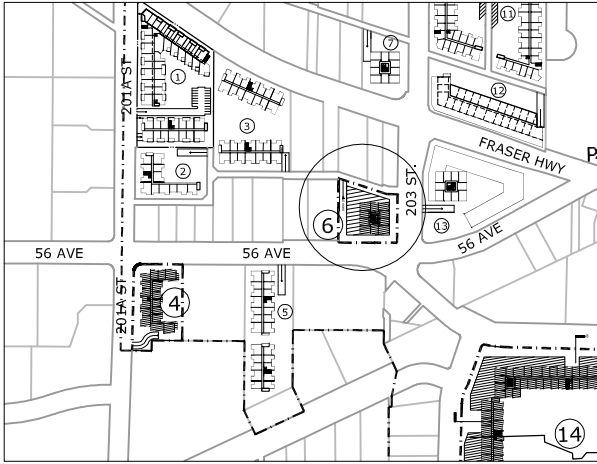
INTEGRATE  
ENTRY FEATURE  
INTO PODIUM  
LEVEL

PARKING

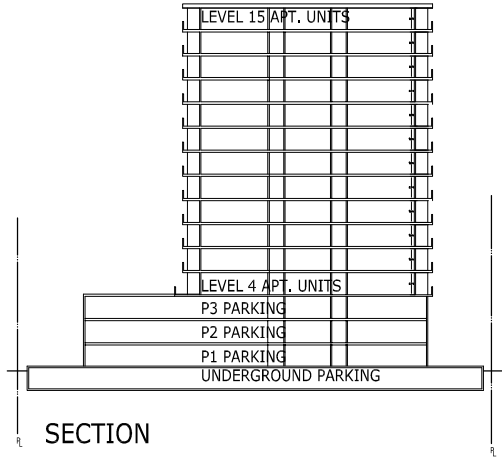
BAY WINDOW  
EXPRESSION  
& PARKING

HEAVY MASSAGE  
PLUMBING @ BASE





KEY PLAN



SECTION

SYNOPSIS:

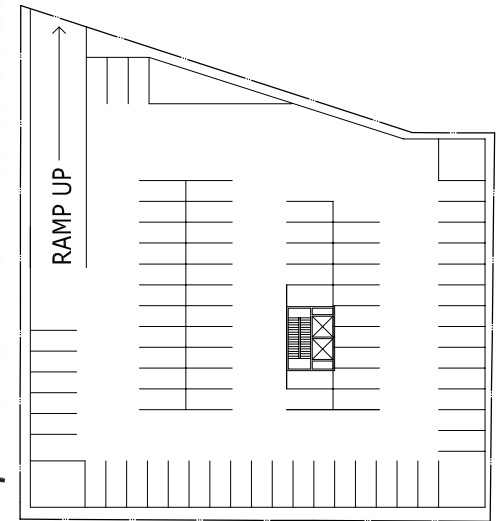
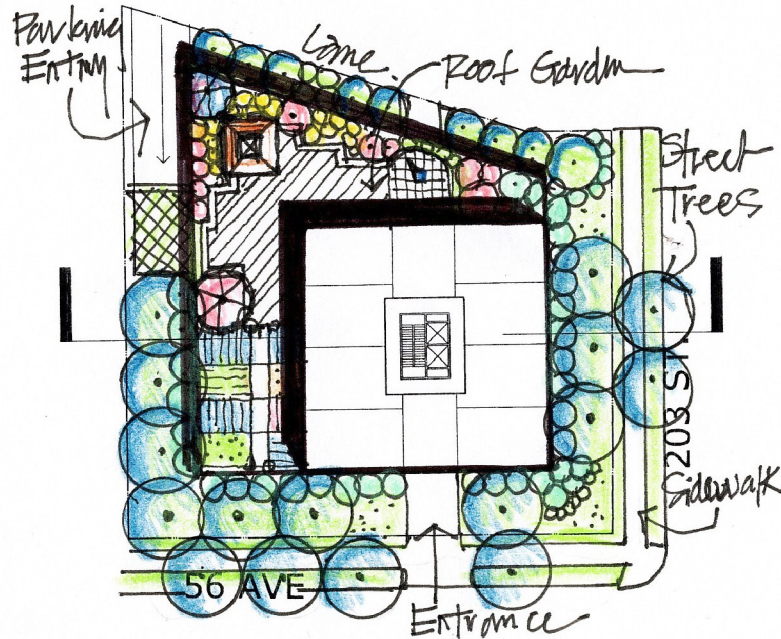
6

SITE AREA: 3245.98 SM  
 FLOOR AREA: 10,788 SM  
 FSR: 3.3  
 RESIDENTIAL UNITS: 120

15 STOREY RESIDENTIAL BUILDING  
 3 LEVEL ABOVE GRADE PARKING  
 1 LEVEL UNDERGROUND PARKING

LEVEL 15: 899 SM	10 UNITS
LEVEL 14: 899 SM	10 UNITS
LEVEL 13: 899 SM	10 UNITS
LEVEL 12: 899 SM	10 UNITS
LEVEL 11: 899 SM	10 UNITS
LEVEL 10: 899 SM	10 UNITS
LEVEL 9: 899 SM	10 UNITS
LEVEL 8: 899 SM	10 UNITS
LEVEL 7: 899 SM	10 UNITS
LEVEL 6: 899 SM	10 UNITS
LEVEL 5: 899 SM	10 UNITS
LEVEL 4: 899 SM	10 UNITS
LEVEL 3: PARKING	+/-42 STALLS
LEVEL 2: PARKING	+/-42 STALLS
LEVEL 1: PARKING	+/-42 STALLS

15 LEVELS = 10,788 SM 120 UNITS x 1.5  
 = 180 STALLS REQ'D./PROVIDED



UNDERGROUND PARKING PLAN

# DOWNTOWN LANGLEY

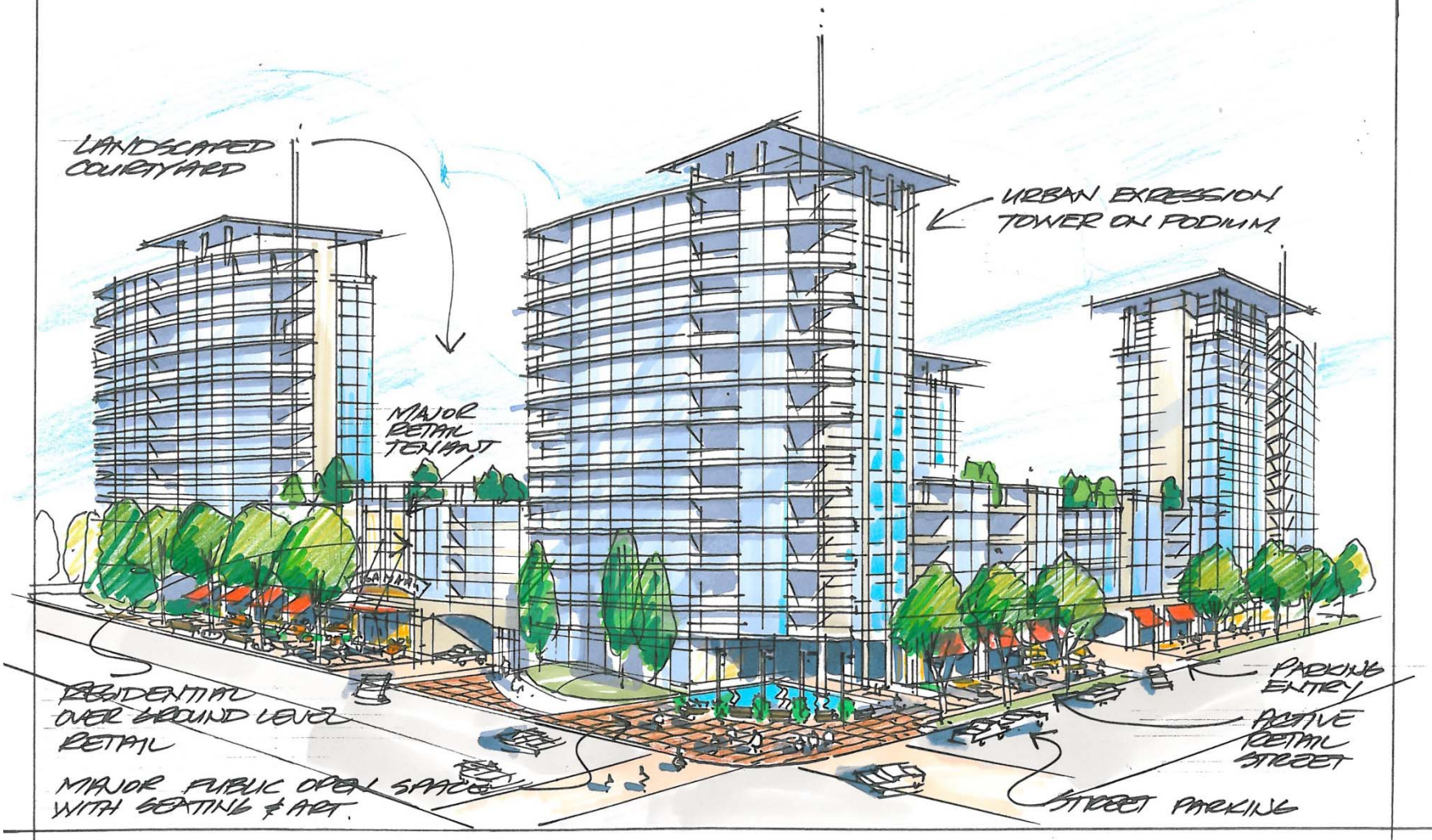
SITE 6 URBAN DESIGN STUDY

SITE 6

PHASE 2: 7 SITES DETAILED ANALYSIS

JULY.08

SITE #14 CONCEPT STUDY



LANDSCAPED COURTYARD

URBAN EXPRESSION TOWER ON FODIUM

MAJOR RETAIL TENANT

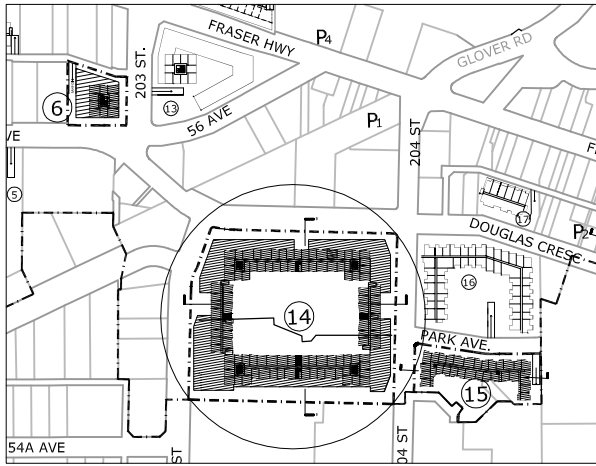
RESIDENTIAL OVER GROUND LEVEL RETAIL

MAJOR PUBLIC OPEN SPACE WITH SEATING & ART

PARKING ENTRY

ACTIVE RETAIL STREET

STREET PARKING



**KEY PLAN**

**SYNOPSIS:**

**14**

SITE AREA: 34,443.15 SM  
 FLOOR AREA: 102,181 SM  
 FSR: 3.0  
 RESIDENTIAL UNITS 925

MIXED-USE SITE 15 STOREY BUILDINGS  
 1 LEVEL RETAIL/OFFICE (DOUBLE HEIGHT)  
 14 LEVELS RESIDENTIAL  
 1 LEVEL @ GRADE PARKING  
 1 LEVEL UNDERGROUND PARKING

**RESIDENCES:**

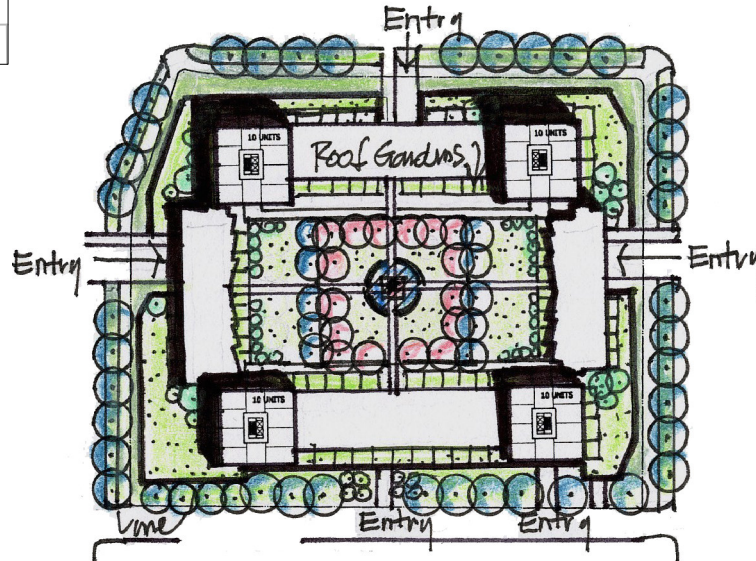
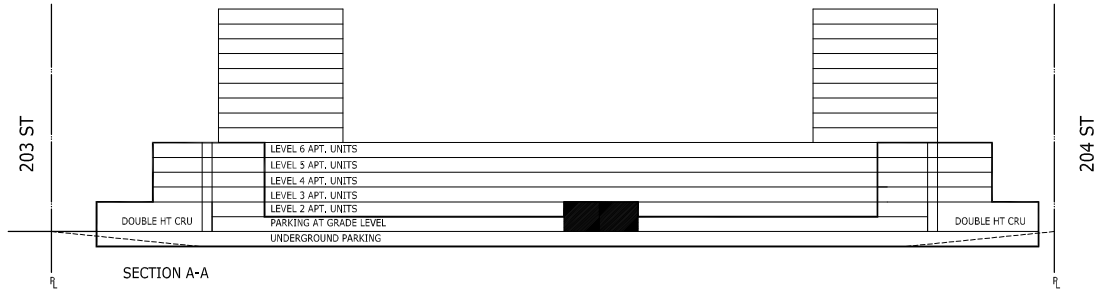
LEVEL 15:	3,600	40 UNITS
LEVEL 14:	3,600	40 UNITS
LEVEL 13:	5,533	56 UNITS
LEVEL 12:	5,533	56 UNITS
LEVEL 11:	5,533	56 UNITS
LEVEL 10:	5,533	56 UNITS
LEVEL 9:	5,533	56 UNITS
LEVEL 8:	5,533	56 UNITS
LEVEL 7:	5,533	56 UNITS
LEVEL 6:	10,125	100 UNITS
LEVEL 5:	10,125	100 UNITS
LEVEL 4:	10,125	100 UNITS
LEVEL 3:	10,125	100 UNITS
LEVEL 2:	6,840 SM	53 UNITS

14 LEVELS = 93,271 SM 925 UNITS x 1.5  
 =1,388 STALLS REQ'D.

CRU:  
 LEVEL 1: 8910 SM x 3/100 SM  
 =267 STALLS REQ'D.

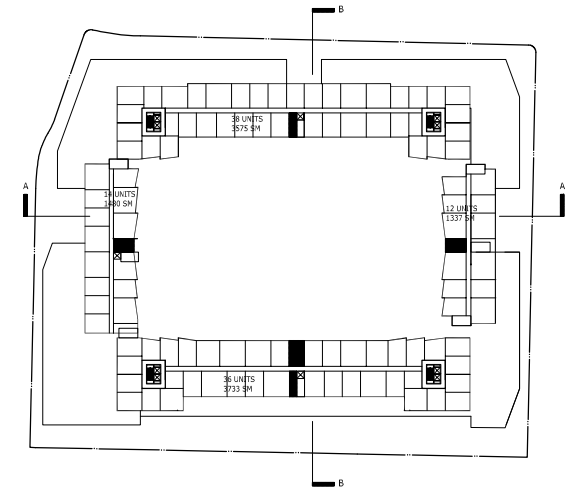
PARKING:  
 LEVEL 1: PARKING +/- 567 STALLS  
 LEVEL P1: UNDERGROUND PARKING +/-1088 STALLS

+/-1655 STALLS REQ'D./PROVIDED

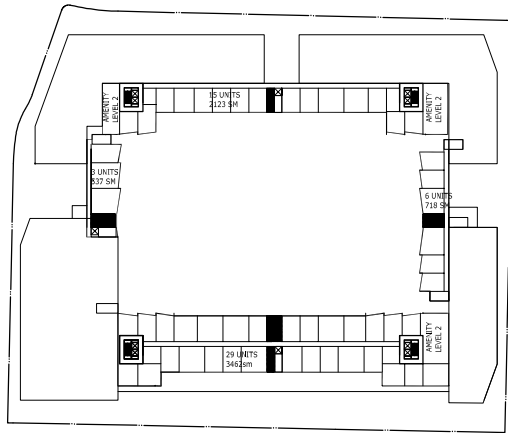
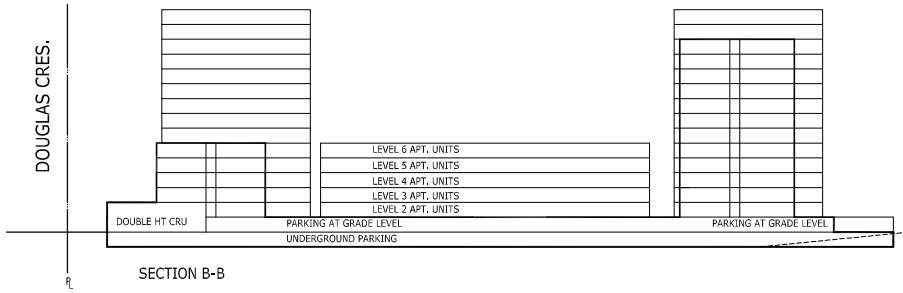


LEVELS 7-13:  
 RES: 56 x 7= 392 UNITS  
 AREA: 5,533 SM x 7 = 38,731 SM

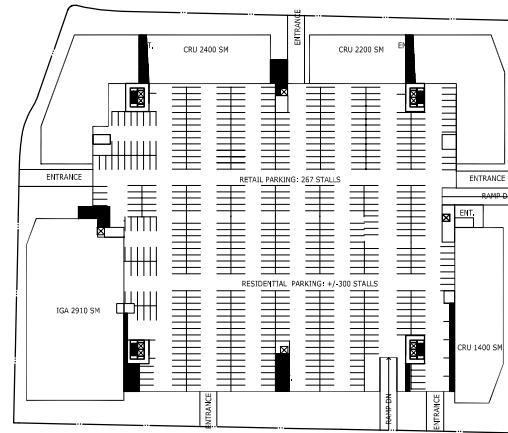
LEVELS 14-15:  
 RES: 40 x 2= 80 UNITS  
 AREA: 3600 SM x 2 = 7,200 SM



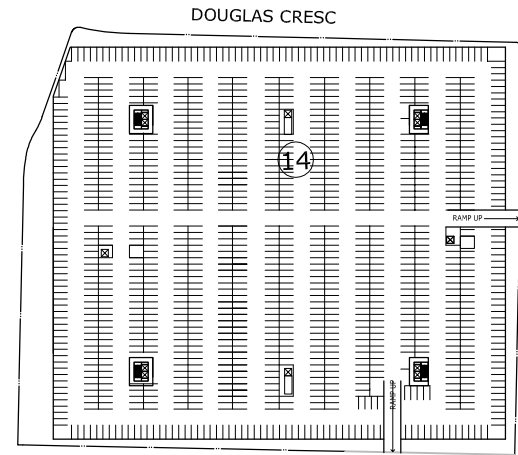
LEVELS 3+4+5+6:  
 RES: 400 UNITS  
 AREA: 10,125 SM x 4 =40,500 SM



LEVELS 2:  
RES: 53 UNITS  
AREA: 6840 SM



LEVEL 1: 489 STALLS  
CRU: 6000 SM  
IGA: 2910 SM  
GROSS RETAIL: 8910 SM  
PARKING REQ.: 8910x.03=267 STALLS



LEVEL P1- UNDERGROUND PARKADE +/-1,088 STALLS

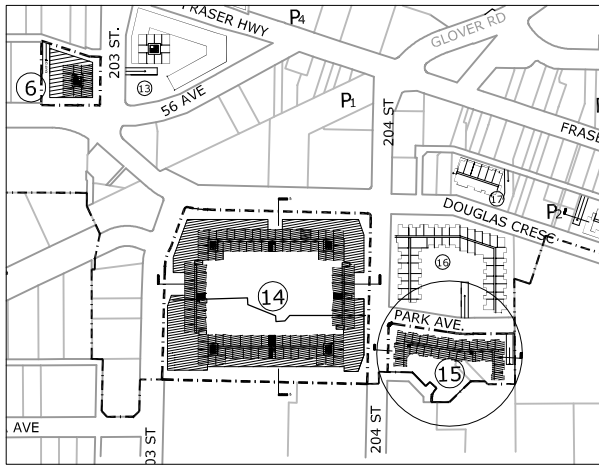
SITE #15 . CONCEPT STUDY/

ROW HOUSE EXPRESSION  
QUALITY MATERIALS.  
STREET ORIENTED  
INDIVIDUAL ENTRIES

SHADE / STREET TREES  
LANDSCAPED BVD. &  
PARK







KEY PLAN

SYNOPSIS:

15

SITE AREA: 6,803.18 SM

4 STOREY RESIDENTIAL

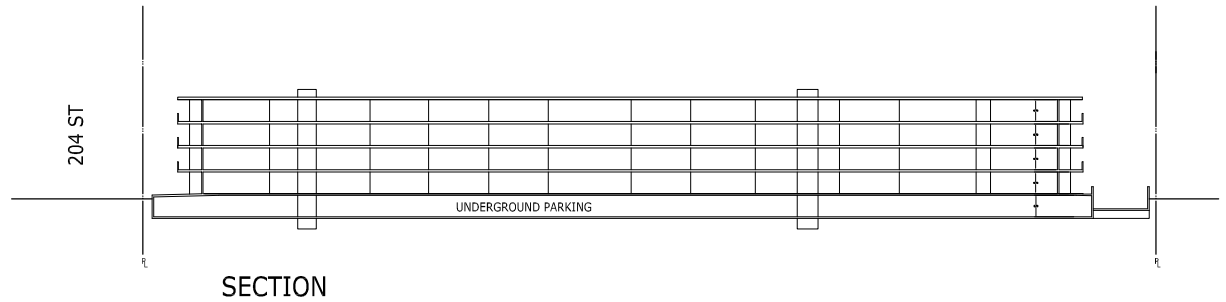
FLOOR AREA: 10,549.2 SM

FSR: 1.6  
RESIDENTIAL UNITS: 120

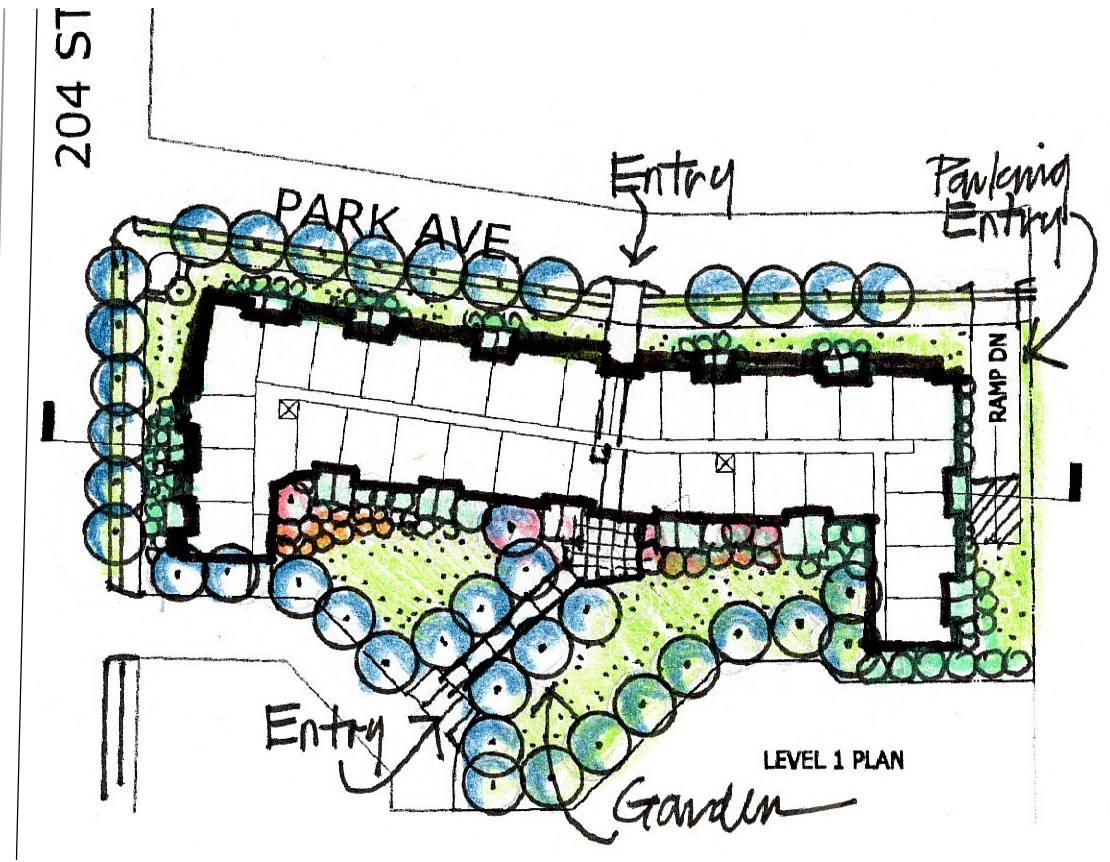
LEVEL 4:	2637.3 SM	30 UNITS
LEVEL 3:	2637.3 SM	30 UNITS
LEVEL 2:	2637.3 SM	30 UNITS
LEVEL 1:	2637.3 SM	30 UNITS
4 LEVELS=	10,549.2 SM	120 UNITS x 1.5
		=180 STALLS REQ'D.

PARKING:  
LEVEL P1: UNDERGROUND PARKING +/-180 STALLS

180 STALLS REQ'D./PROVIDED

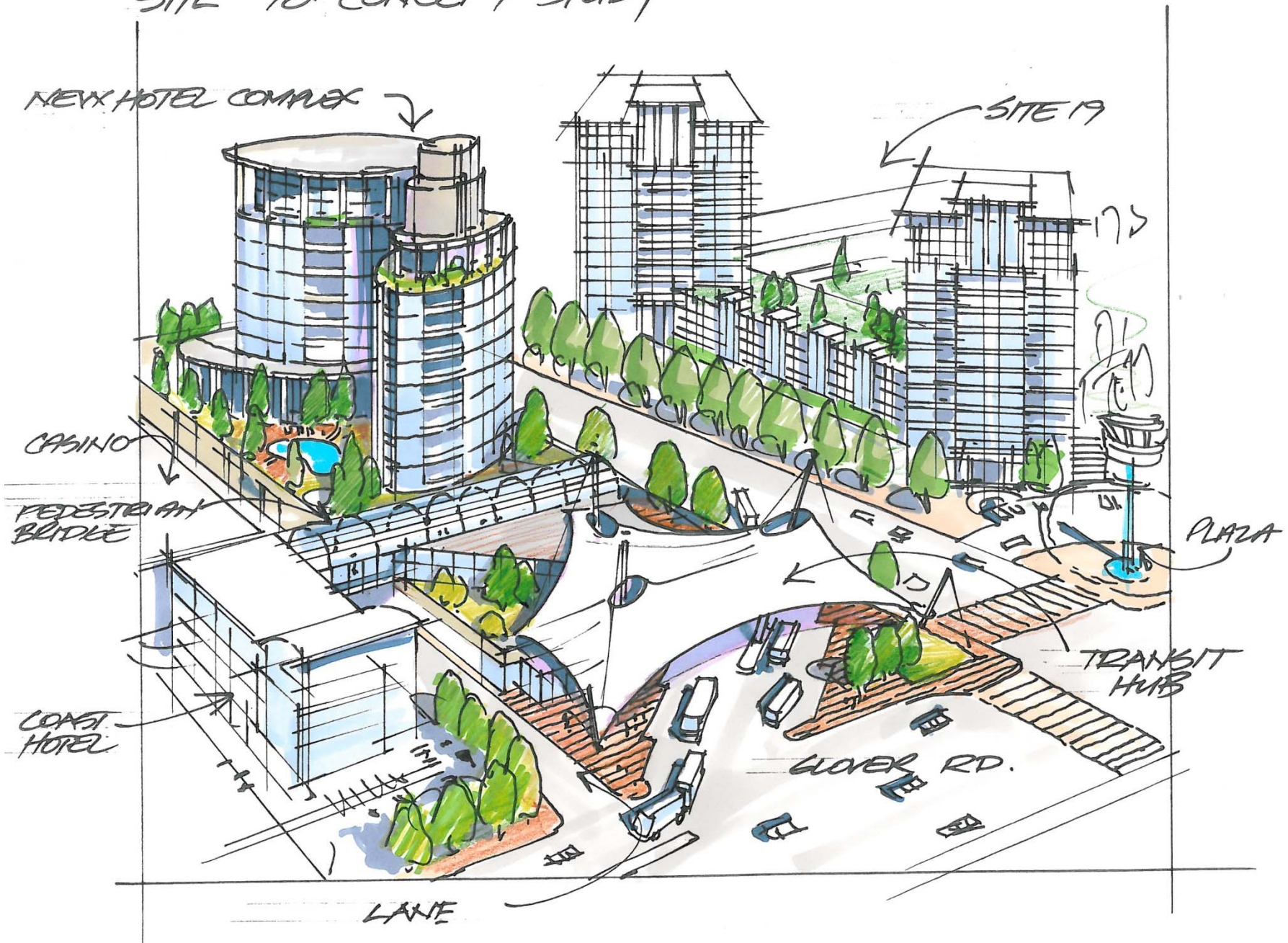


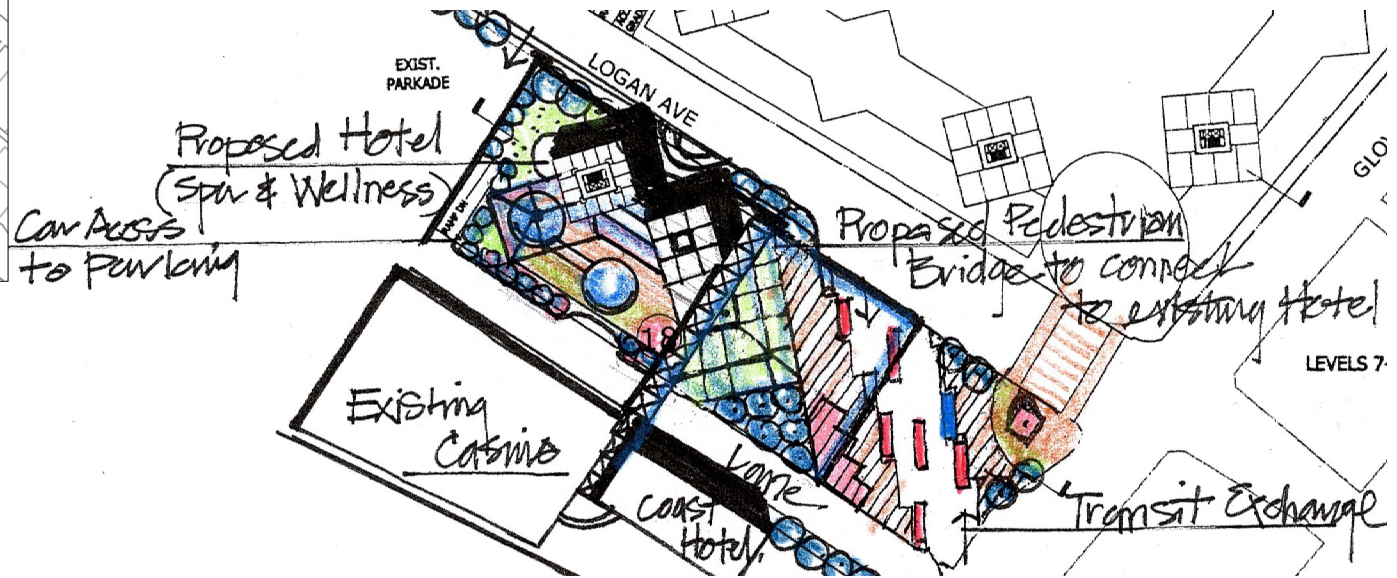
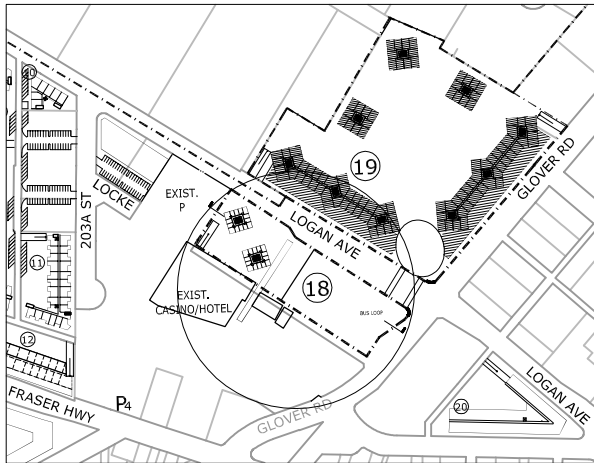
SECTION



LEVEL 1 PLAN

# SITE # 18. CONCEPT STUDY





**KEY PLAN**

SYNOPSIS:

18

SITE AREA: 13,170.04 SM

**MIXED-USE SITE 2 - 15 STOREY BUILDINGS**

**HOTEL**  
 SITE AREA: 6,603.8 SM  
 FLOOR AREA: 15,300 SM  
 FSR: 2.3  
 HOTEL ROOMS: 356

**1 LEVEL UNDERGROUND PARKING**  
**TRANSIT HUB** SITE AREA: 6,566.2 SM

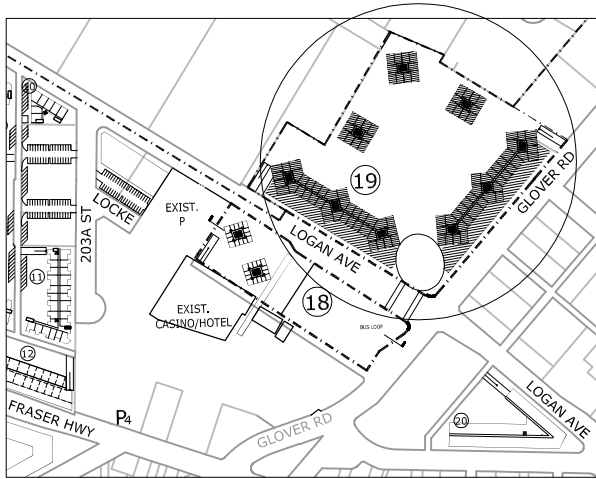
**1 TOWER:**

- LEVEL 15: 510 SM 14 ROOMS
- LEVEL 14: 510 SM 14 ROOMS
- LEVEL 13: 510 SM 14 ROOMS
- LEVEL 12: 510 SM 14 ROOMS
- LEVEL 11: 510 SM 14 ROOMS
- LEVEL 10: 510 SM 14 ROOMS
- LEVEL 9: 510 SM 14 ROOMS
- LEVEL 8: 510 SM 14 ROOMS
- LEVEL 7: 510 SM 14 ROOMS
- LEVEL 6: 510 SM 14 ROOMS
- LEVEL 5: 510 SM 14 ROOMS
- LEVEL 4: 510 SM 14 ROOMS
- LEVEL 3: 510 SM 14 ROOMS
- LEVEL 2: 510 SM 10 ROOMS
- LEVEL 1: 510 SM AMENITY
- 14 LEVELS = 7,650 SM 178 ROOMS

2 TOWERS= 15300 SM 356 ROOMS x1.0  
 =356 STALLS REQ'D.

**PARKING:**

LEVEL P1: UNDERGROUND PARKING +/-356 STALLS REQ'D./PROVIDED



**KEY PLAN**

**SYNOPSIS:**

**19**

SITE AREA: 42,618.94 SM  
 FLOOR AREA: 113,129.8 SM  
 FSR: 2.7  
 GROSS RESIDENTIAL UNITS = 1140  
 GROSS CRU: 6,731.8 SM

MIXED-USE SITE 15 STOREY BUILDINGS  
 1 LEVEL RETAIL/OFFICE (DOUBLE HEIGHT)  
 14 LEVELS RESIDENTIAL  
 1 LEVEL @ GRADE PARKING  
 1 LEVEL UNDERGROUND PARKING

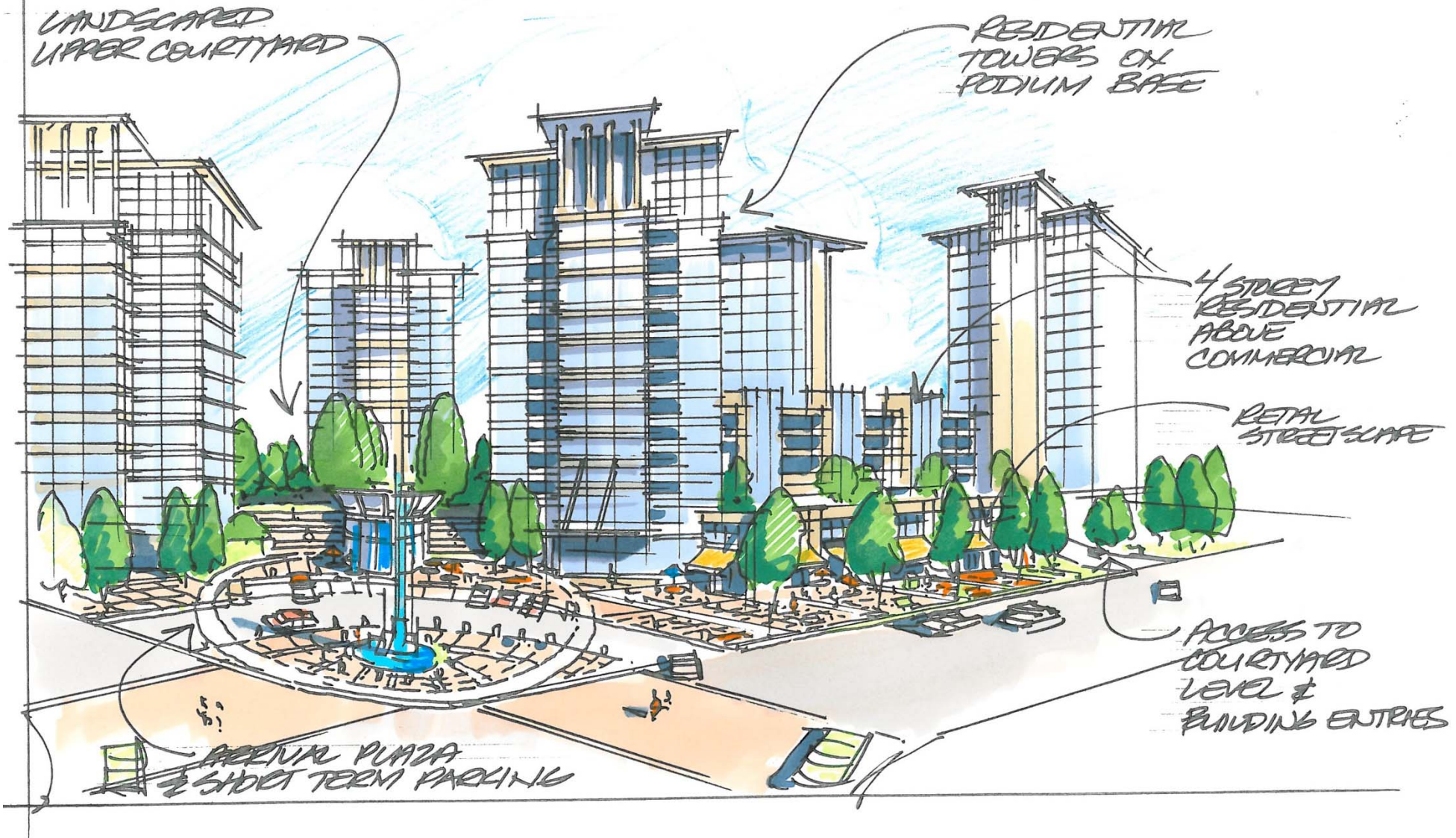
TOWERS:  
 LEVEL 2-15: (900 SM X 3) x 14 LEVELS = 37,800 420 UNITS  
 14 LEVELS = 420 UNITS x 1.5  
 = 630 STALLS REQ'D.

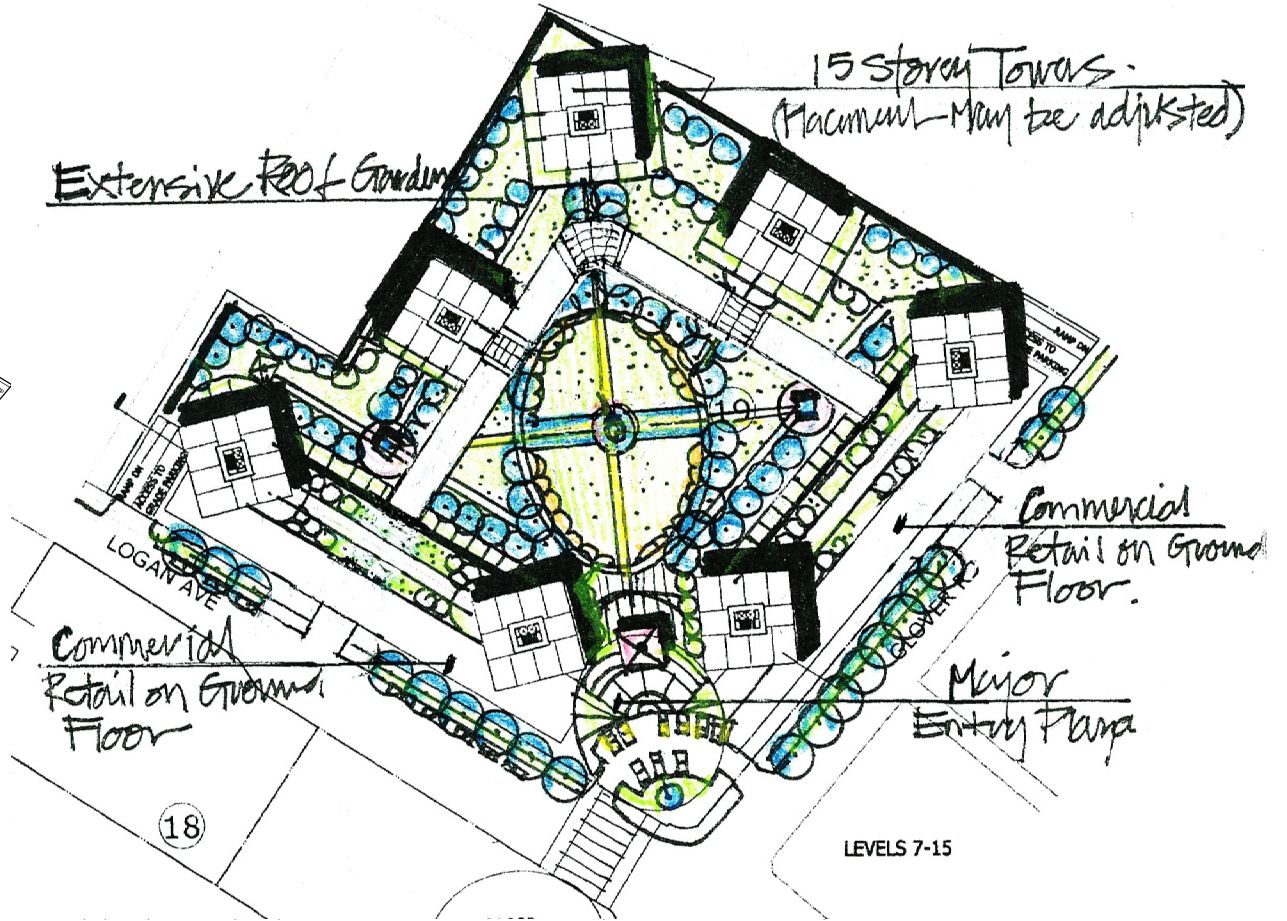
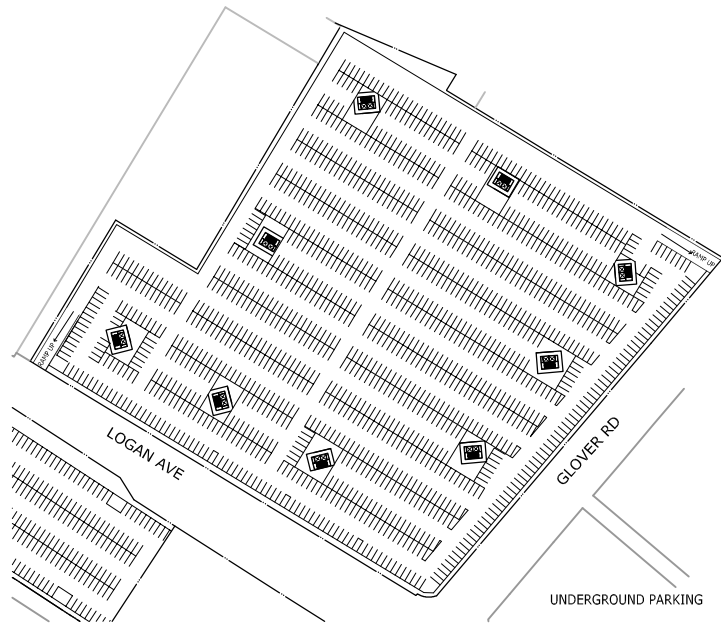
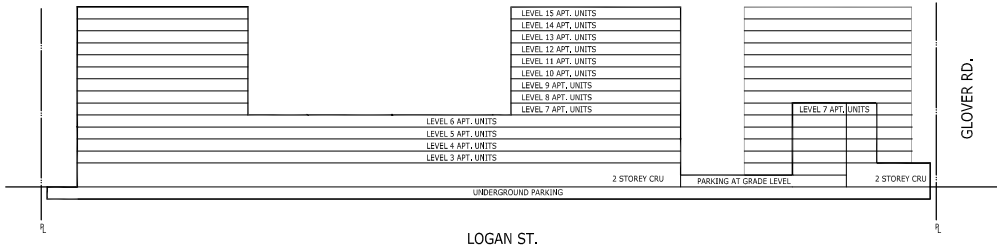
**STREET TOWERS:**

LEVEL 15: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 14: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 13: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 12: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 11: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 10: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 9: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 8: 1800 SM x 2 =	3,600	40 UNITS
LEVEL 7: 1800 + 3658 =	5,458	58 UNITS
LEVEL 6: 3658 SM x 2 =	7,316	76 UNITS
LEVEL 5: 3658 SM x 2 =	7,316	76 UNITS
LEVEL 4: 3658 SM x 2 =	7,316	76 UNITS
LEVEL 3: 3658 SM x 2 =	7,316	76 UNITS
LEVEL 2: 2538 SM x 2 =	5,076	38 UNITS
14 LEVELS	= 68,598 SM	720 UNITS x 1.5 = 1,080 STALLS REQ'D.
TOTAL RESIDENTIAL UNITS		= 1140 UNITS
CRU:		
LEVEL 1: 3414.2 SM + 3317.6 SM =	6,731.8 SM x 3/100 SM	= 202 STALLS REQ'D.

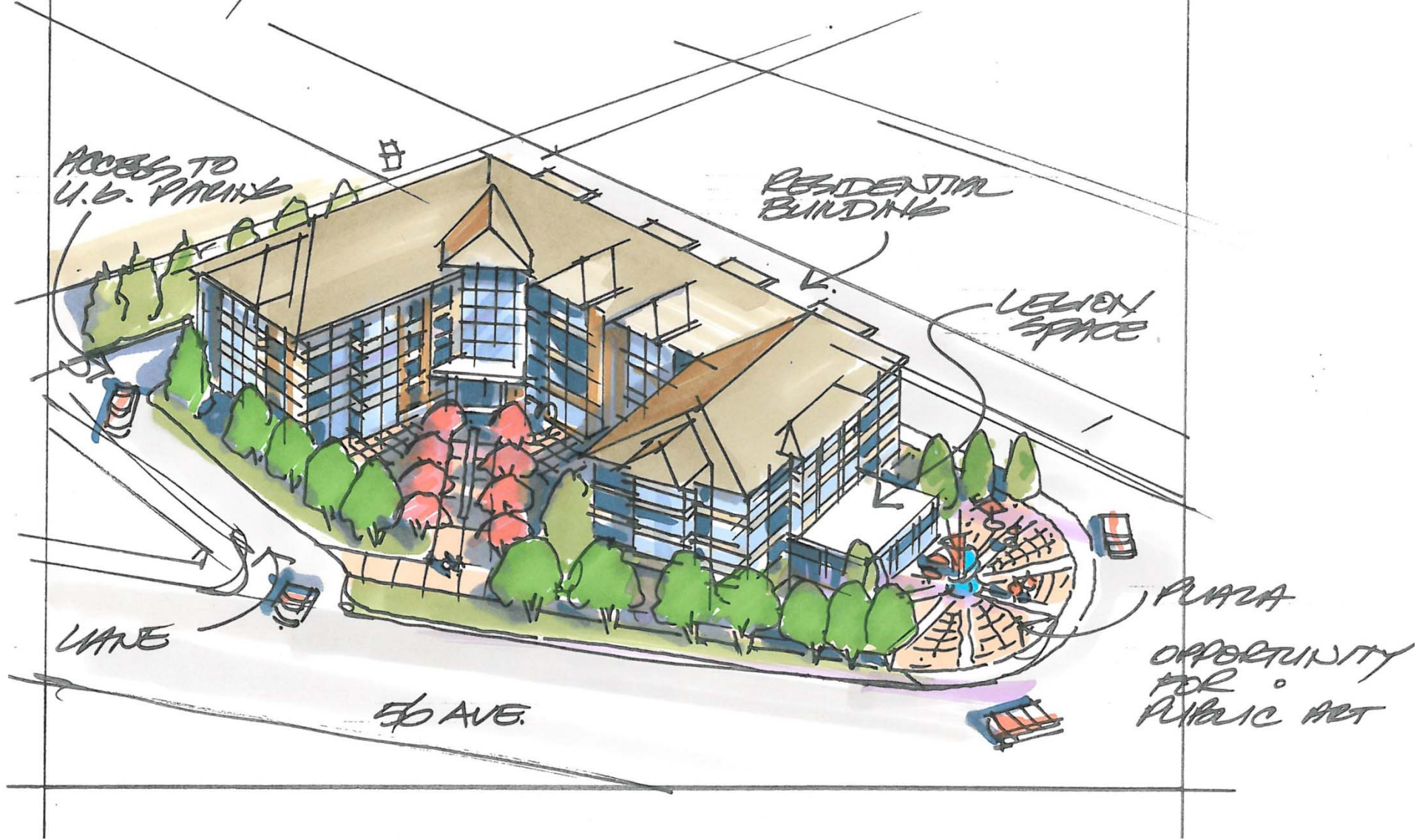
PARKING:  
 LEVEL 1: PARKING +/- 782 STALLS  
 LEVEL P1: UNDERGROUND PARKING +/- 1340 STALLS  
 +/- 1912 STALLS REQ'D./PROVIDED

# LOT #19 . CONCEPT STUDY





SITE # 24. CONCEPT STUDY



ACCESS TO  
U.G. PARKING

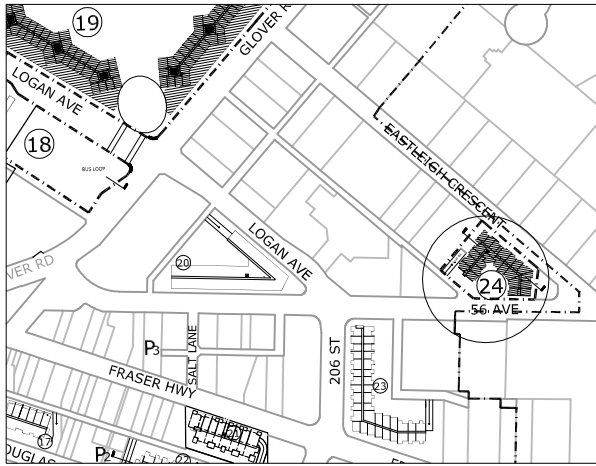
RESIDENTIAL  
BUILDING

LELION  
SPACE

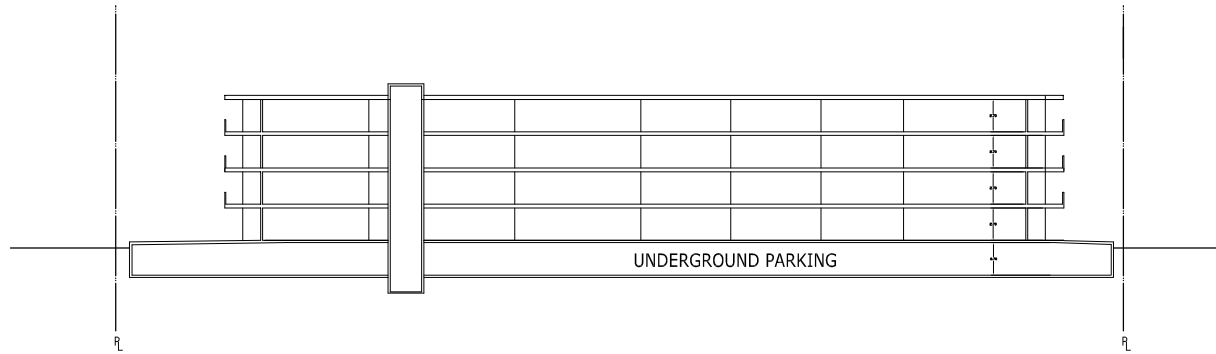
LANE

50 AVE.

PLAZA  
OPPORTUNITY  
FOR  
PUBLIC ART



KEY PLAN



SECTION

SYNOPSIS:

24

SITE AREA: 4,765.57 SM

4 STOREY RESIDENTIAL

FLOOR AREA: 8,412.8 SM

FSR: 1.8

RESIDENTIAL UNITS: 88

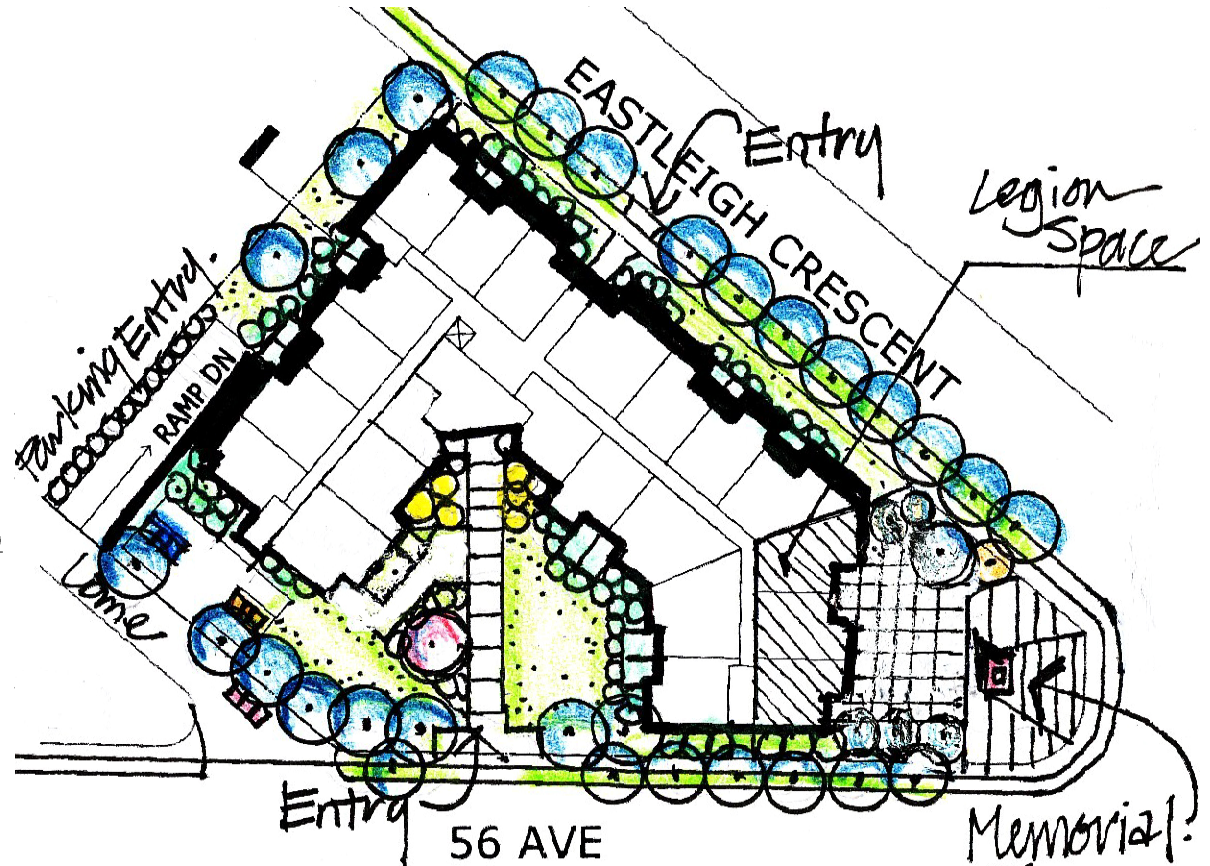
LEVEL 4:	2103.2 SM	23 UNITS
LEVEL 3:	2103.2 SM	23 UNITS
LEVEL 2:	2103.2 SM	23 UNITS
LEVEL 1:	2103.2 SM	19 UNITS (224 SM LEGION SPACE)
4 LEVELS=	8,412.8 SM	88 UNITS x 1.5 =132 STALLS REQ'D.

PARKING:

LEVEL 1: PARKING @ GRADE 6 STALLS

LEVEL P1: UNDERGROUND PARKING +/-131 STALLS

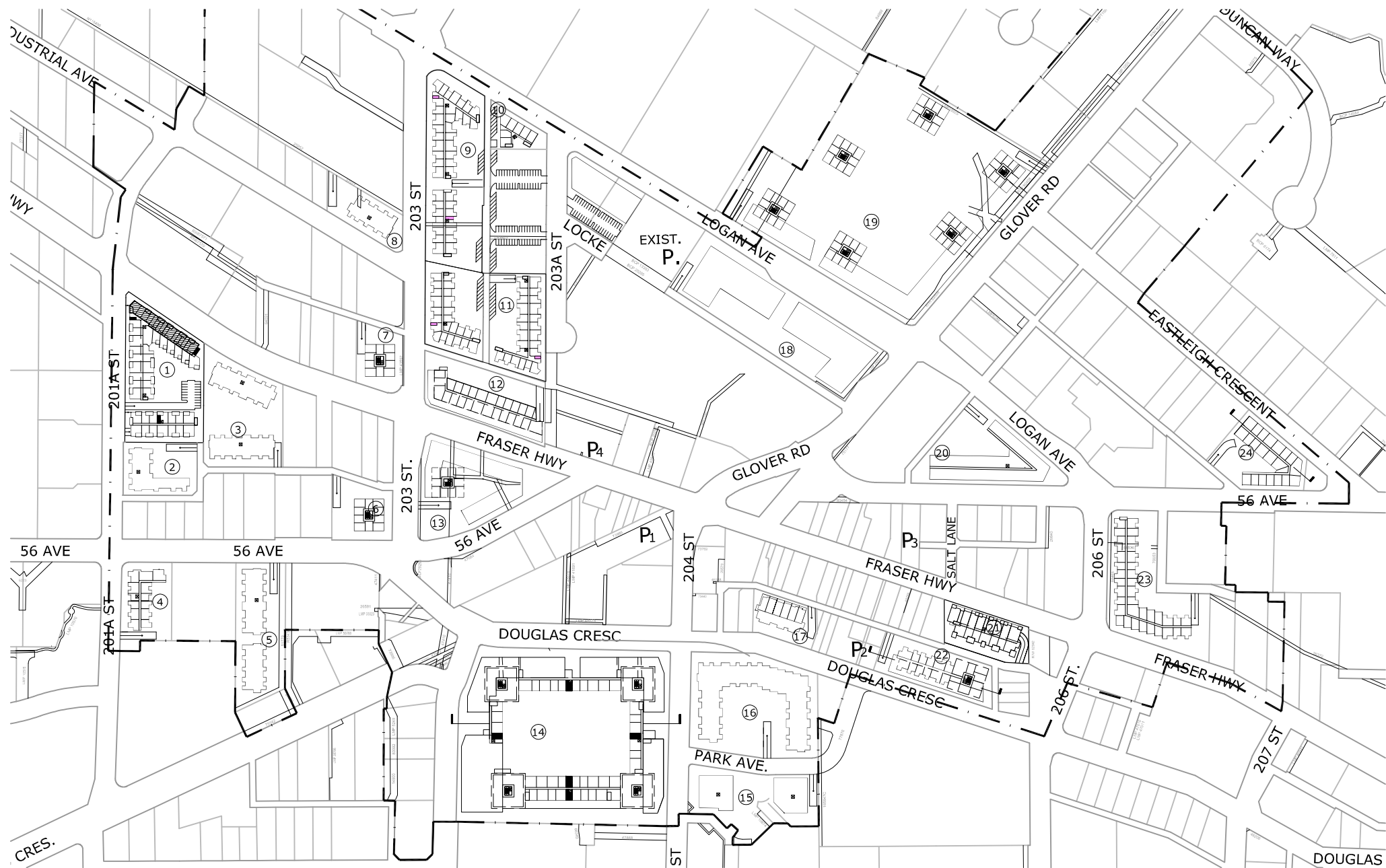
137 STALLS REQ'D./PROVIDED





## **SECTION 3:**

### **PRELIMINARY URBAN DESIGN FOR 24 SITES**



# DOWNTOWN LANGLEY

PHASE 1: 24 SITES

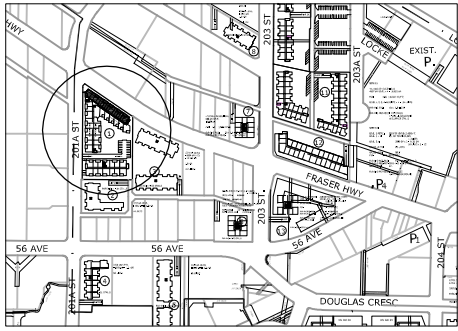
LANGLEY  
FEASIBILITY STUDY

NTS

OVERALL SITE  
CITY OF LANGLEY

0805  
FEB.25.08

**A1**



**KEY PLAN**

SITE AREA: 9372.6 sm

F.S.R: 1.6 (14 608/9 372.65)

**BLDG A**

LEVEL 4 APT. UNITS:	2870sm
LEVEL 3 APT. UNITS:	2870sm
LEVEL 2 APT. UNITS:	1435sm
LEVEL 1 APT. UNITS:	1435sm
LEVEL 1 LIVE/WORK	918sm
	<b>9 528sm</b>

**BLDG B**

LEVEL 4 APT. UNITS:	1270sm
LEVEL 3 APT. UNITS:	1270sm
LEVEL 2 APT. UNITS:	1270sm
LEVEL 1 APT. UNITS:	1270sm
	<b>5080sm</b>

**GROSS BLDG AREA: 14 608sm**

**UNIT TYPE:**

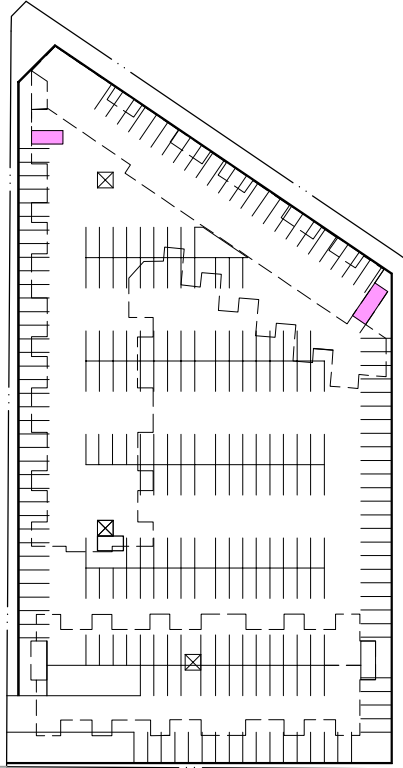
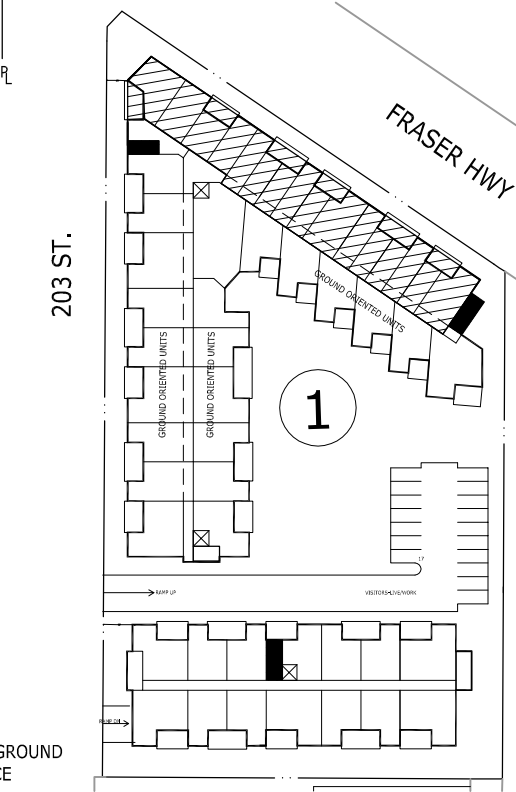
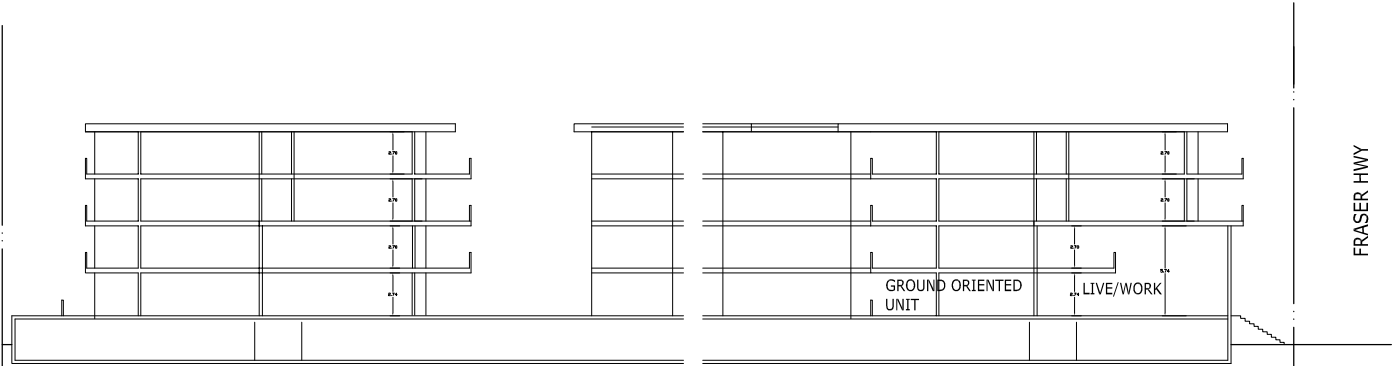
**BLDG A**

1 BDRM	63 UNITS
2 BDRM	28 UNITS
LIVE/WORK	16 UNITS
	<b>107 UNITS</b>

**BLDG B**

1 BDRM	33 UNITS
2 BDRM	23 UNITS
	<b>56 UNITS</b>
AMENITY	4 UNITS (172x3sm=516sm)

<b>PARKING:</b>		REQ'D.	PROVIDED
RES.	1.3 x 147 STALLS / UNIT	191	191
VISITOR	.2 x 147 UNITS	29	29
	2 x 16 LIVE/WORK	32	32
<b>TOTAL:</b>		239 UNDERGROUND	17 SURFACE
		<b>252</b>	<b>252</b>



**DOWNTOWN LANGLEY**

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

NTS

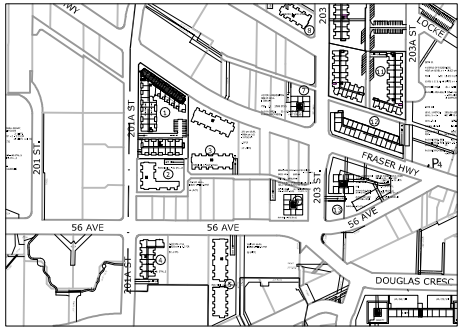
SITE 1

CITY OF LANGLEY

0805

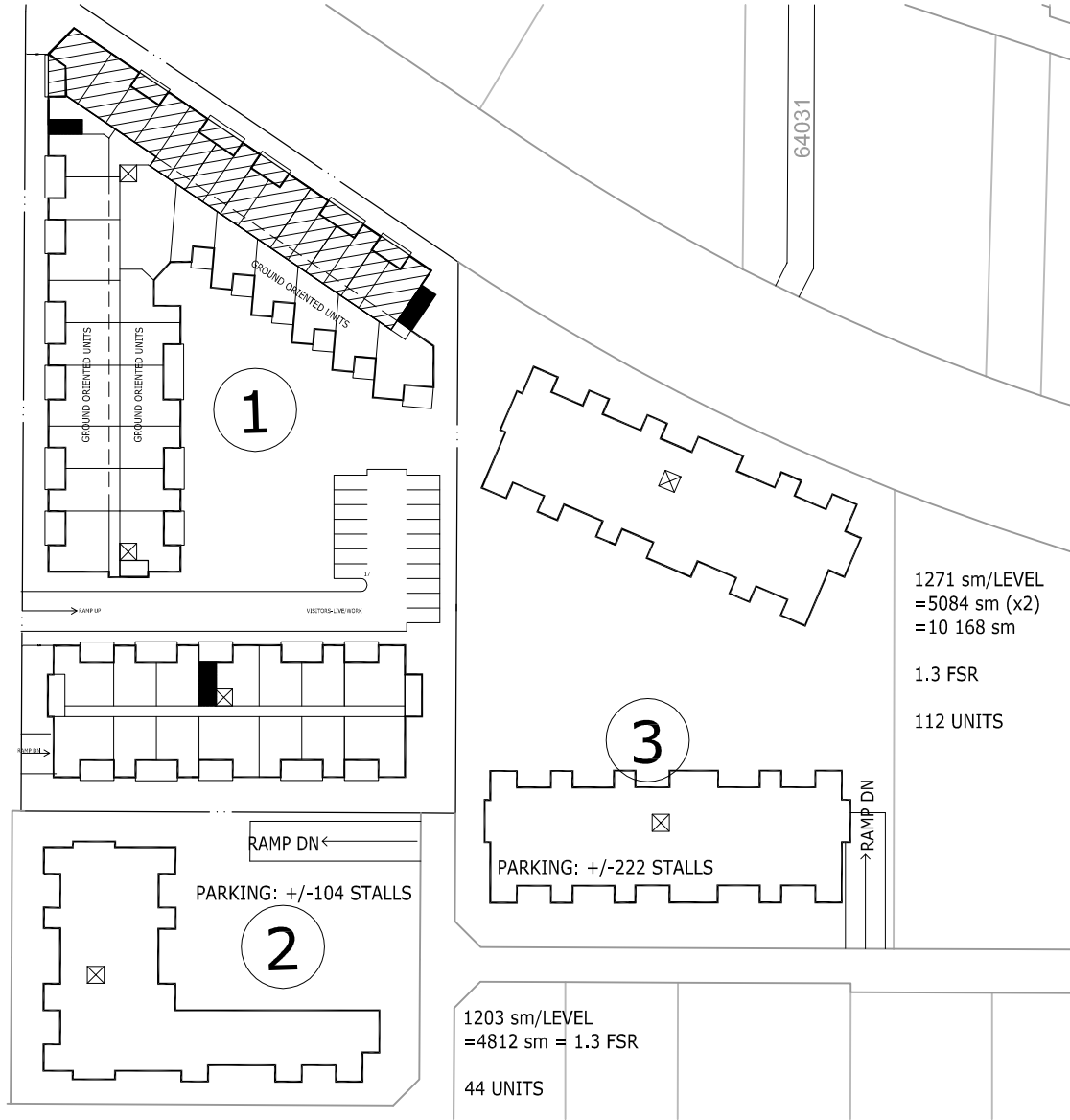
FEB.25.08

**A2**



KEY PLAN

201A ST



1271 sm/LEVEL  
=5084 sm (x2)  
=10 168 sm

1.3 FSR

112 UNITS

1203 sm/LEVEL  
=4812 sm = 1.3 FSR

44 UNITS

DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

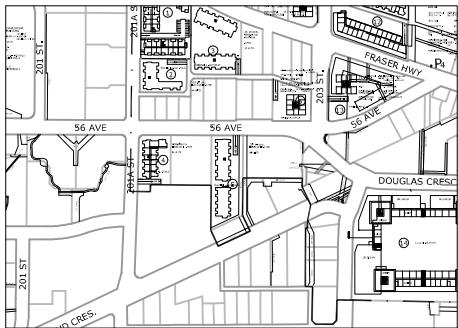
FEASIBILITY STUDY

NTS

SITES 2,3

CITY OF LANGLEY FEB.25.08

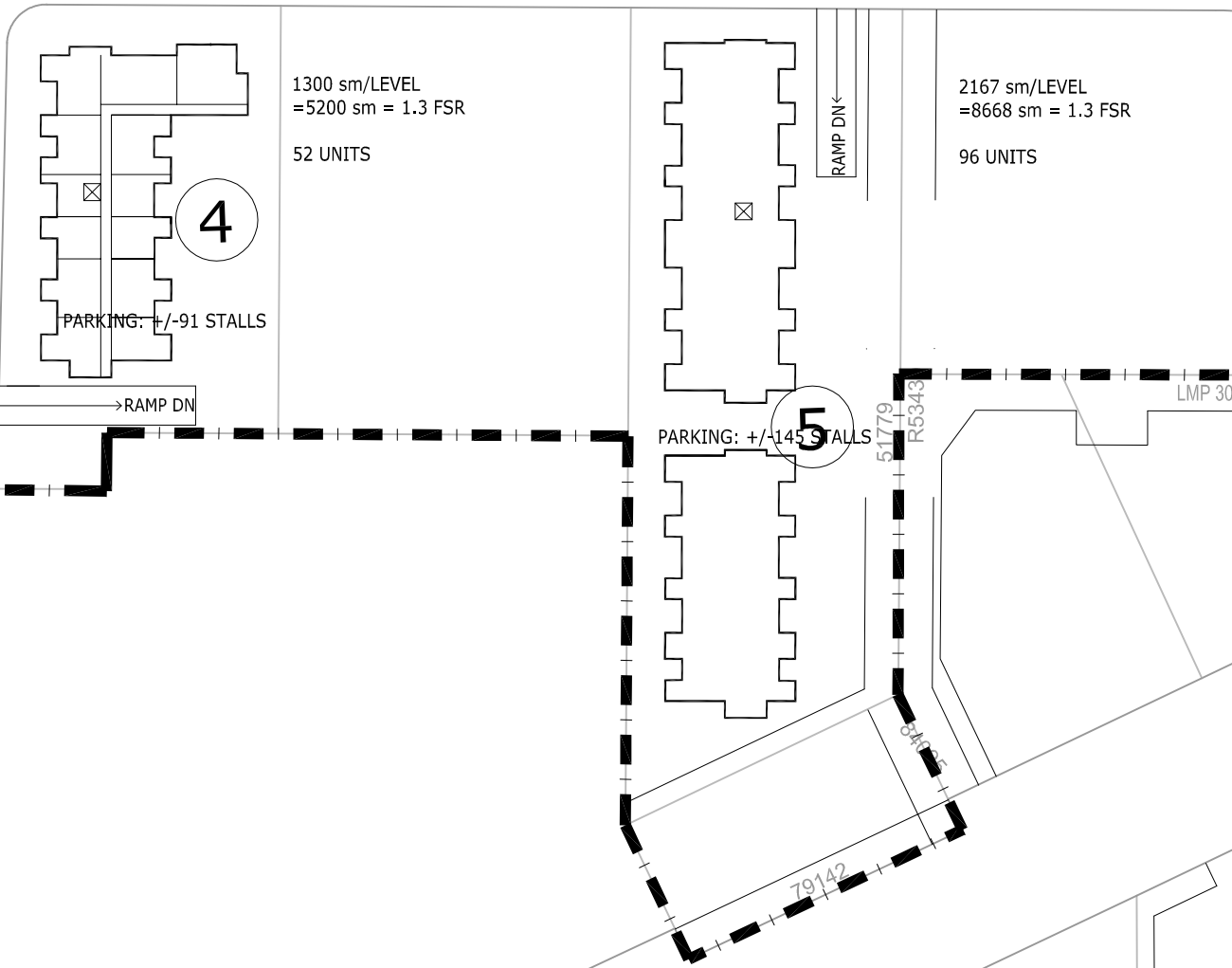
0805 A3



KEY PLAN

201A-ST

56 AVE



1300 sm/LEVEL  
=5200 sm = 1.3 FSR

52 UNITS

4

PARKING: +/-91 STALLS

RAMP DN

2167 sm/LEVEL  
=8668 sm = 1.3 FSR

96 UNITS

RAMP DN

5

PARKING: +/-145 STALLS

51779

R5343

LMP 30.

79142

81115

DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

NTS

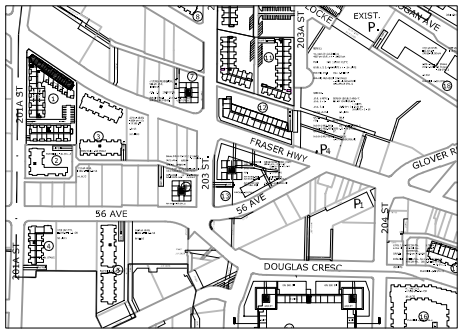
SITES 4,5

CITY OF LANGLEY

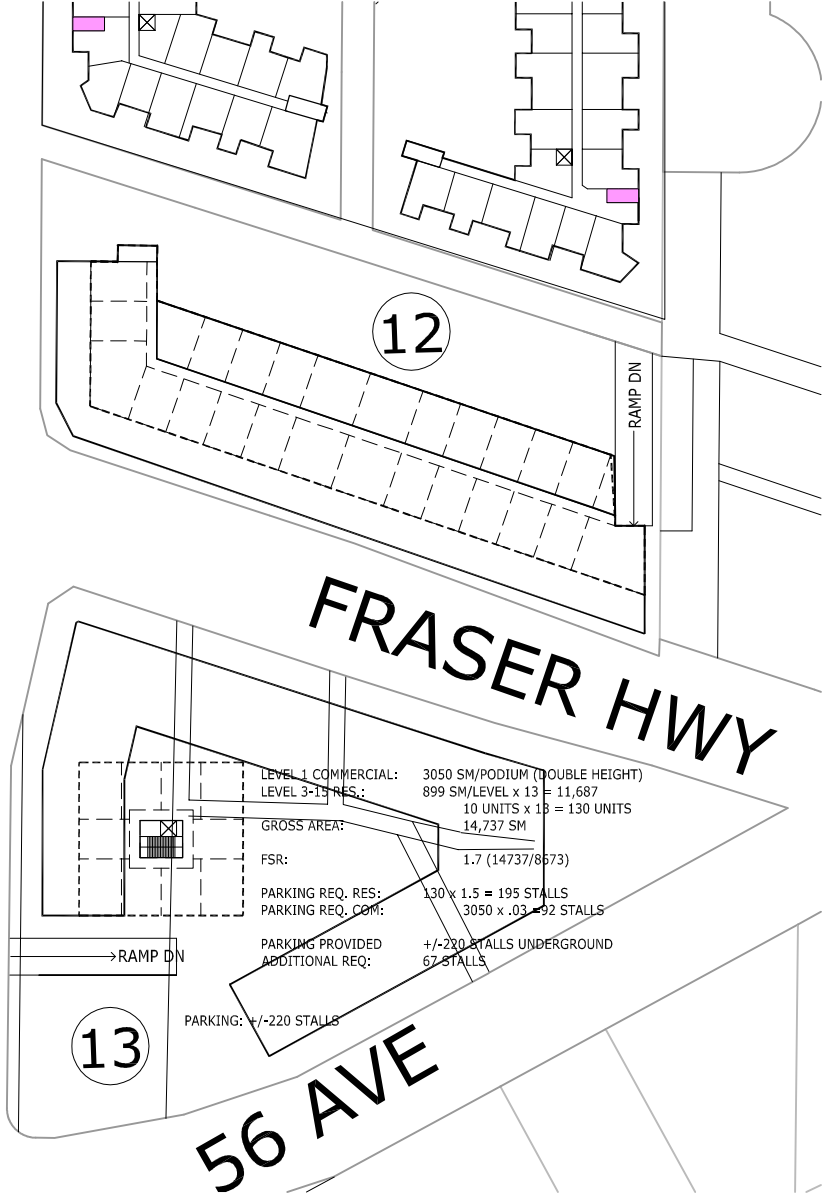
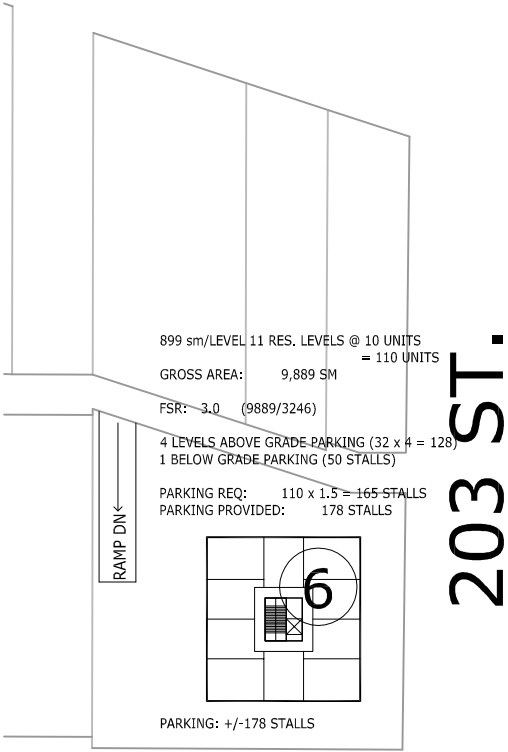
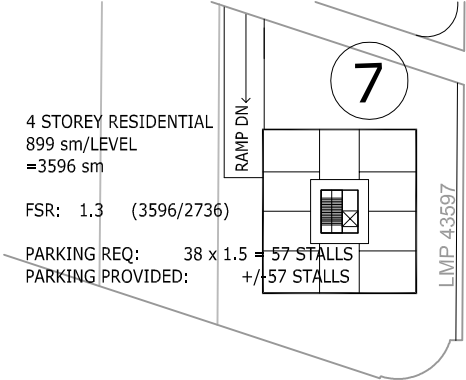
0805

FEB.25.08

A4



KEY PLAN



DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

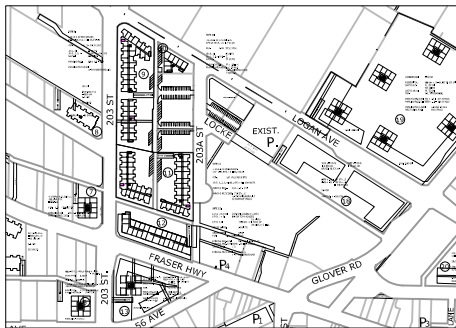
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SITES 6,7,13

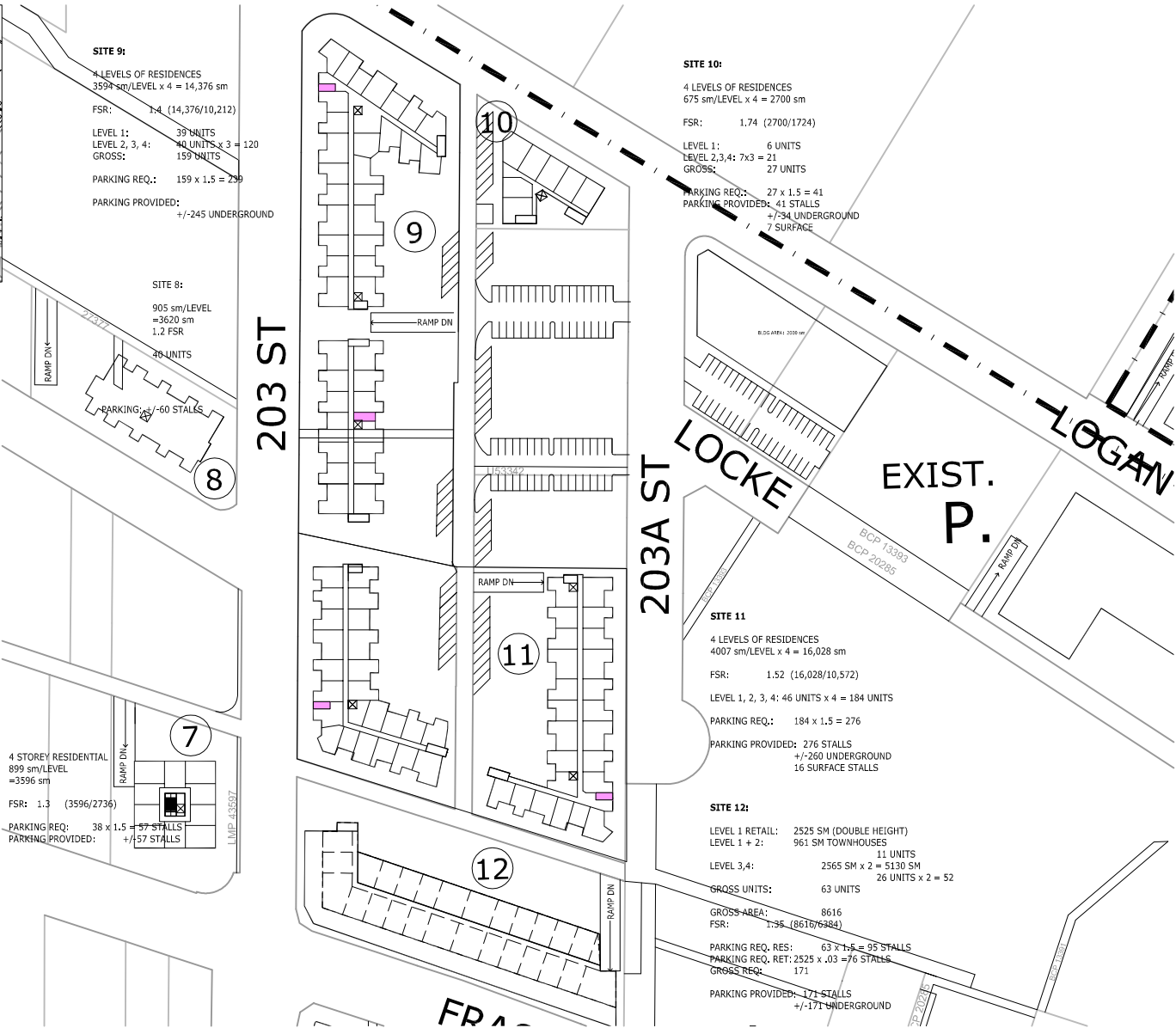
CITY OF LANGLEY FEB.25.08

0805

A5



KEY PLAN



**SITE 9:**  
 4 LEVELS OF RESIDENCES  
 3594 sm/LEVEL x 4 = 14,376 sm  
 FSR: 1.4 (14,376/10,212)  
 LEVEL 1: 39 UNITS  
 LEVEL 2, 3, 4: 40 UNITS x 3 = 120  
 GROSS: 159 UNITS  
 PARKING REQ.: 159 x 1.5 = 239  
 PARKING PROVIDED: +/-245 UNDERGROUND

**SITE 8:**  
 905 sm/LEVEL  
 =3620 sm  
 1.2 FSR  
 48 UNITS  
 PARKING: +/-60 STALLS

**7**  
 4 STOREY RESIDENTIAL  
 899 sm/LEVEL  
 =3596 sm  
 FSR: 1.3 (3596/2736)  
 PARKING REQ: 38 x 1.5 = 57 STALLS  
 PARKING PROVIDED: +/-57 STALLS

**SITE 10:**  
 4 LEVELS OF RESIDENCES  
 675 sm/LEVEL x 4 = 2700 sm  
 FSR: 1.74 (2700/1724)  
 LEVEL 1: 6 UNITS  
 LEVEL 2,3,4: 7x3 = 21  
 GROSS: 27 UNITS  
 PARKING REQ.: 27 x 1.5 = 41  
 PARKING PROVIDED: 41 STALLS  
 +/-34 UNDERGROUND  
 7 SURFACE

**SITE 11**  
 4 LEVELS OF RESIDENCES  
 4007 sm/LEVEL x 4 = 16,028 sm  
 FSR: 1.52 (16,028/10,572)  
 LEVEL 1, 2, 3, 4: 46 UNITS x 4 = 184 UNITS  
 PARKING REQ.: 184 x 1.5 = 276  
 PARKING PROVIDED: 276 STALLS  
 +/-260 UNDERGROUND  
 16 SURFACE STALLS

**SITE 12:**  
 LEVEL 1 RETAIL: 2525 SM (DOUBLE HEIGHT)  
 LEVEL 1 + 2: 961 SM TOWNHOUSES  
 LEVEL 3,4: 2565 SM x 2 = 5130 SM  
 GROSS UNITS: 63 UNITS  
 GROSS AREA: 8616  
 FSR: 1.35 (8616/6384)  
 PARKING REQ. RES: 63 x 1.5 = 95 STALLS  
 PARKING REQ. RET: 2525 x .03 = 76 STALLS  
 GROSS REQ: 171  
 PARKING PROVIDED: 171 STALLS  
 +/-171 UNDERGROUND

DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

NTS

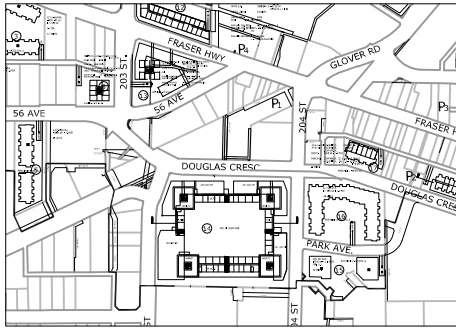
SITES 8,9,10,11,12

CITY OF LANGLEY

0805

FEB.25.08

A6



KEY PLAN

**SYNOPSIS:**

SITE AREA: 34,443.15 SM  
 FSR: 2.33 (80,152/34,443.15)

GROSS BLDG AREA: 80,152 SM

CRU: 6000 SM  
 IGA: 2910 SM  
 NET: 8910 SM

APT UNITS:  
 LEVEL 2: 4786 SM + 2516 SM AMENITY = 7302 SM  
 LEVEL 3: 12,192 SM  
 LEVEL 4: 12,192 SM  
 TOWERS: (899 x 11) x 4 = 39,556 SM  
 NET: 71,242 SM

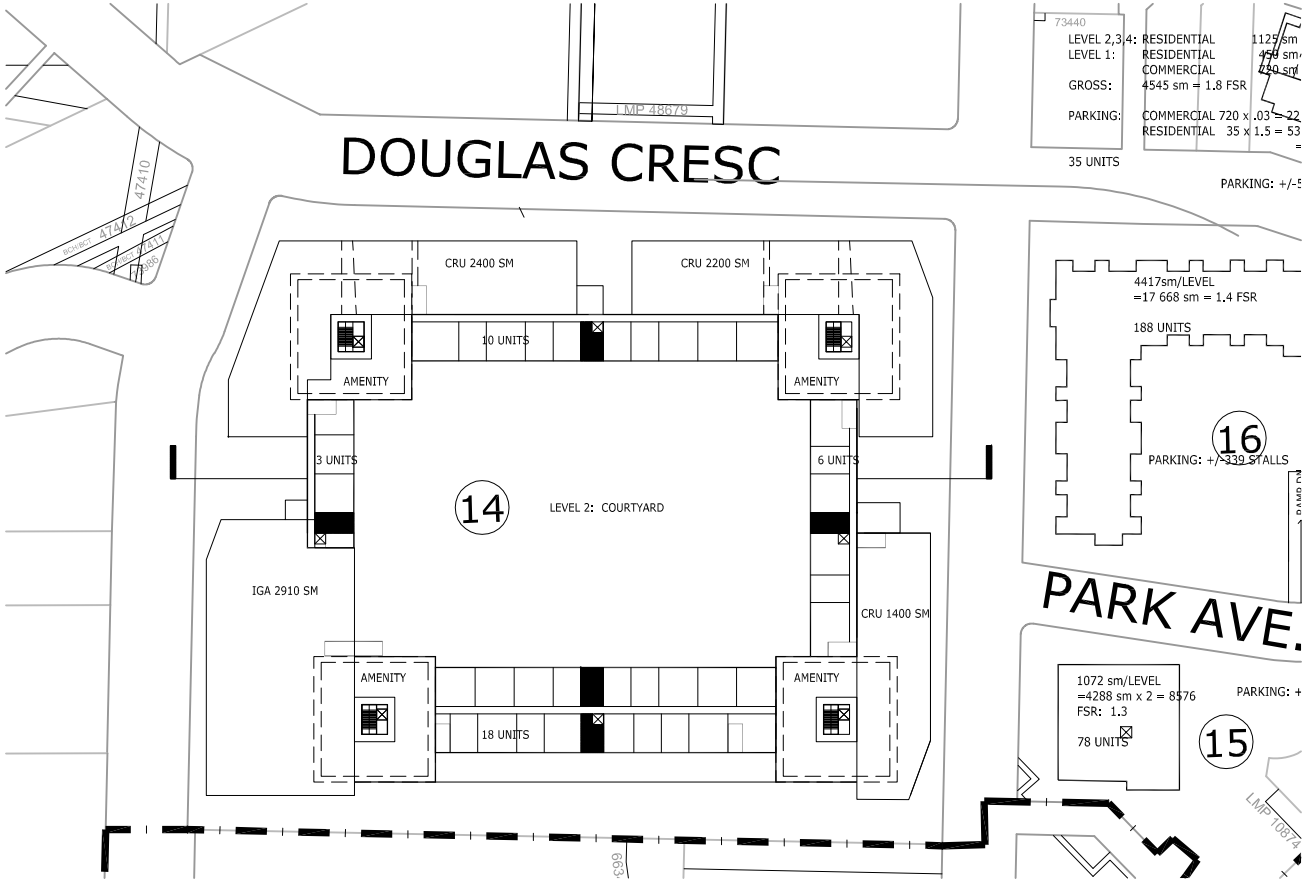
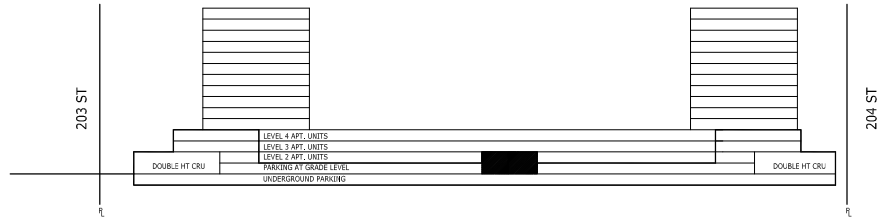
#APT UNITS: 655 UNITS

PARKING REQ.: 655 x 1.3 = 852 STALLS @ LEVEL P1  
 655 x 0.2 = 131 VIS. STALLS @ LEVEL 1

PARKING REQ.: RETAIL: 8910 x .03 = 267 STALLS @ LEVEL 1

GROSS PARKING REQ.: = 1257 STALLS

PROVIDED: +/-1419 STALLS  
 LEVEL 1: +/-491 STALLS (RETAIL AND VISITORS) 93 SURPLUS  
 LEVEL P1: +/-928 STALLS (RESIDENTIAL) 76 SURPLUS



73440  
 LEVEL 2,3,4: RESIDENTIAL 1129 sm  
 LEVEL 1: RESIDENTIAL 458 sm  
 COMMERCIAL 259 sm  
 GROSS: 4545 sm = 1.8 FSR  
 PARKING: COMMERCIAL 720 x .03 = 22  
 RESIDENTIAL 35 x 1.5 = 53  
 35 UNITS  
 PARKING: +/-5

4417sm/LEVEL  
 =17 668 sm = 1.4 FSR  
 188 UNITS  
 PARKING: +/-339 STALLS

1072 sm/LEVEL  
 =4288 sm x 2 = 8576  
 FSR: 1.3  
 78 UNITS  
 PARKING: +

**DOWNTOWN LANGLEY**

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

NTS

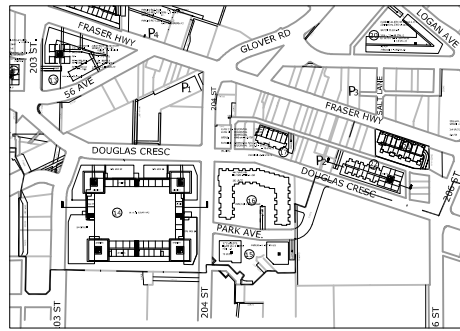
SITE 14

CITY OF LANGLEY FEB.25.08

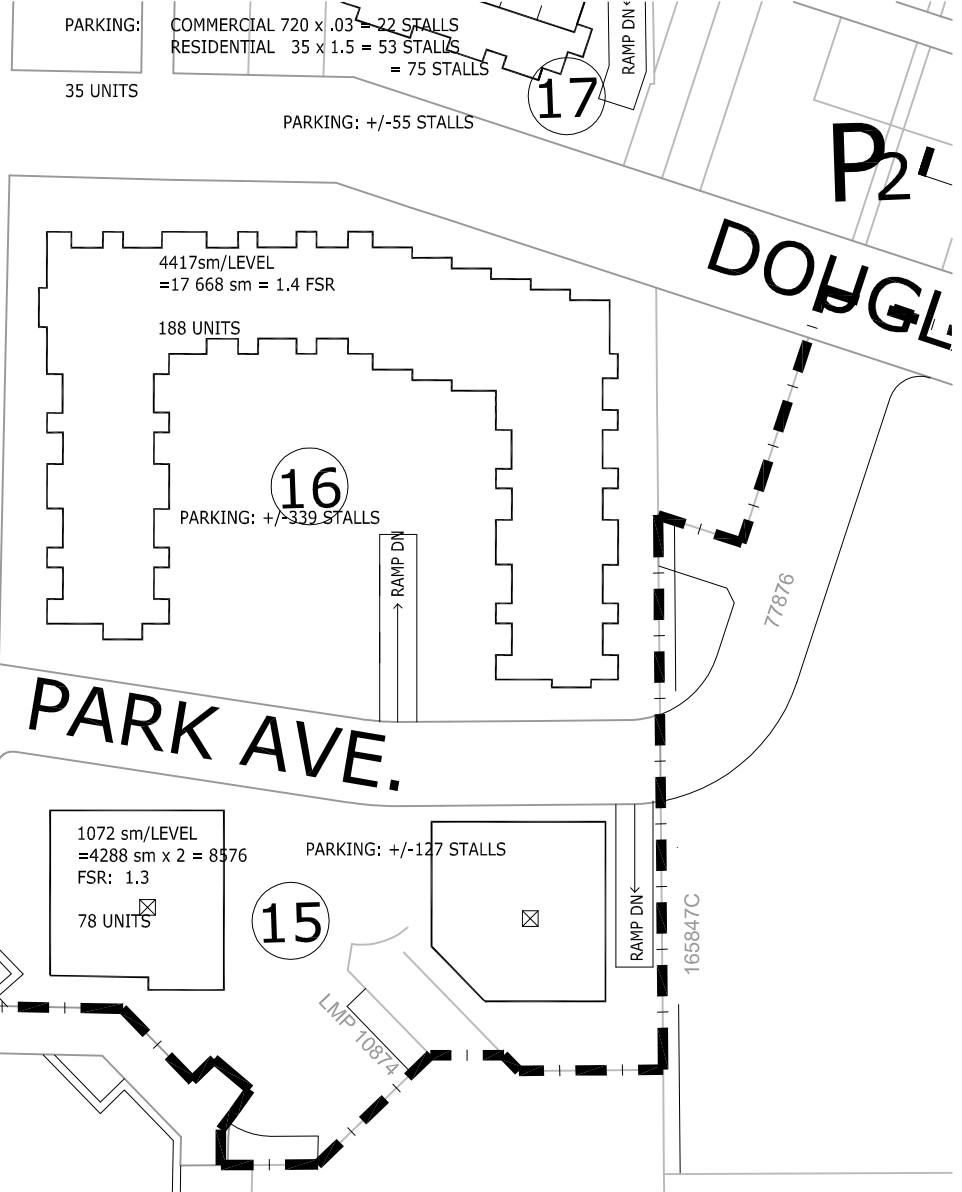
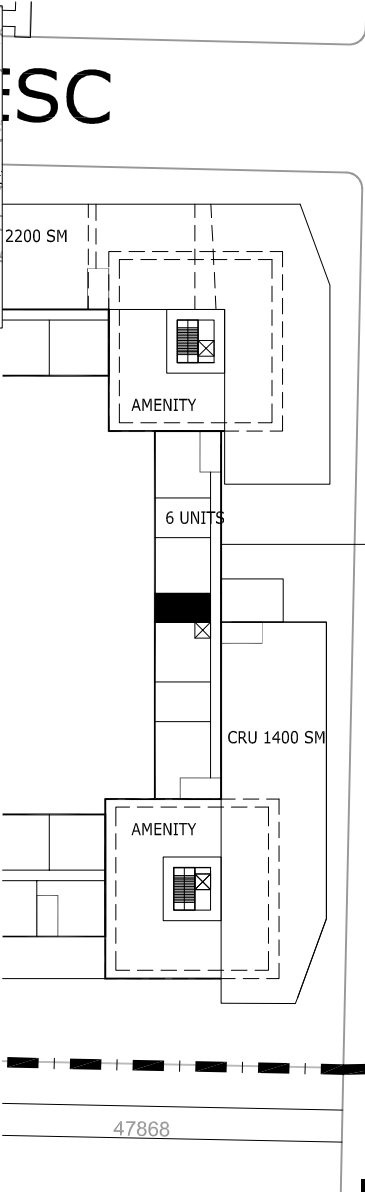
0805

**A7**





KEY PLAN



PARKING: COMMERCIAL 720 x .03 = 22 STALLS  
 RESIDENTIAL 35 x 1.5 = 53 STALLS  
 = 75 STALLS

35 UNITS

PARKING: +/-55 STALLS

4417sm/LEVEL  
 =17 668 sm = 1.4 FSR

188 UNITS

16  
 PARKING: +/-339 STALLS

1072 sm/LEVEL  
 =4288 sm x 2 = 8576  
 FSR: 1.3  
 78 UNITS

PARKING: +/-127 STALLS

15

# DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

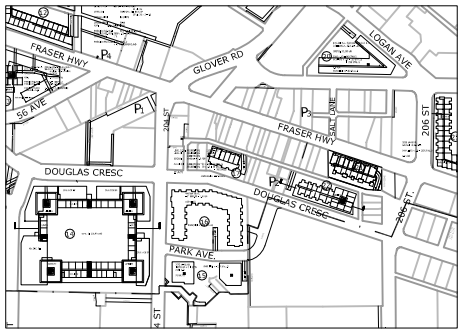
NTS

SITES 15,16

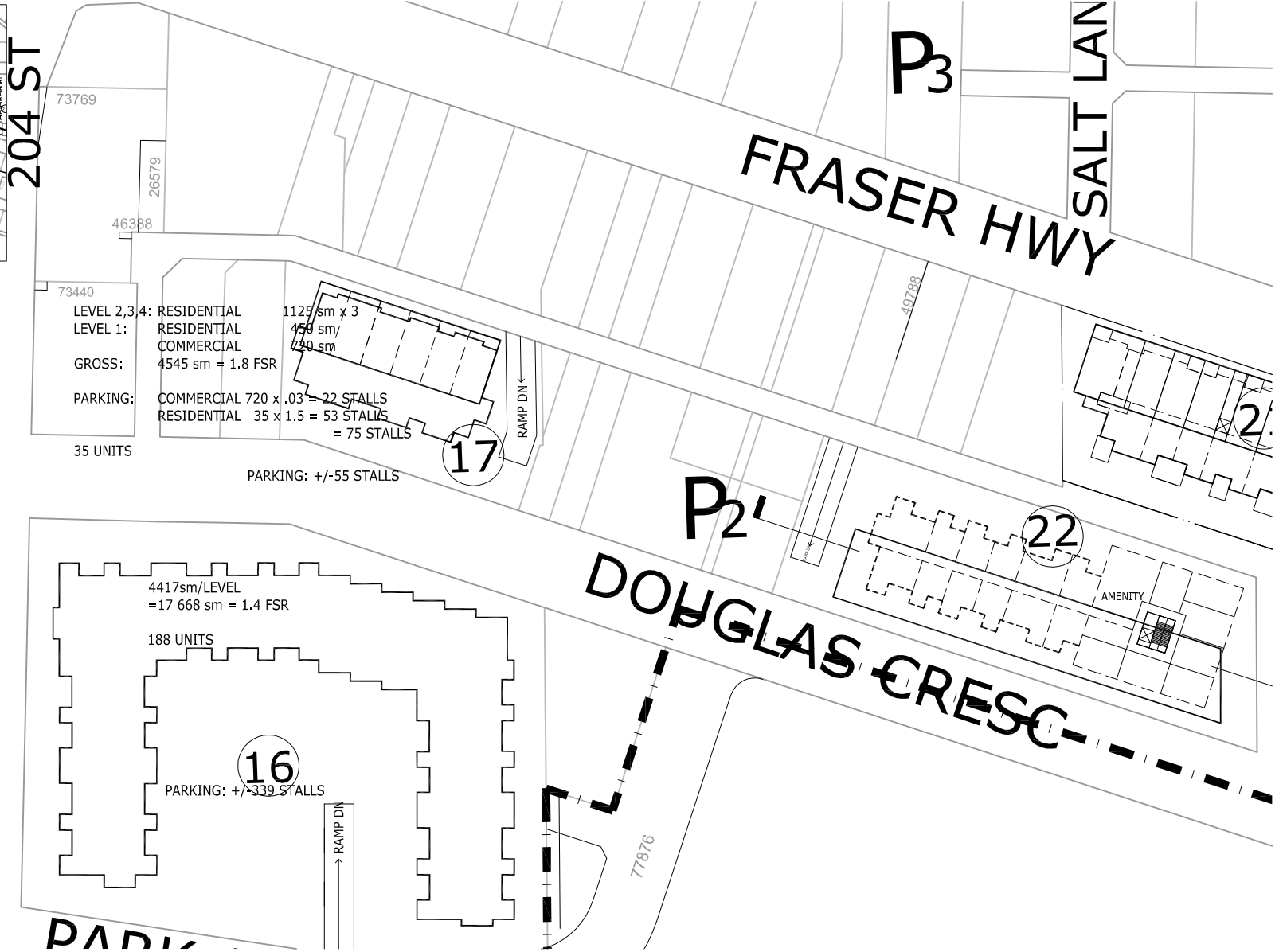
CITY OF LANGLEY FEB.25.08

0805

A8



KEY PLAN



73440  
 LEVEL 2,3,4: RESIDENTIAL 1125 sm x 3  
 LEVEL 1: RESIDENTIAL 458 sm/  
 COMMERCIAL 720 sm  
 GROSS: 4545 sm = 1.8 FSR  
 PARKING: COMMERCIAL 720 x .03 = 22 STALLS  
 RESIDENTIAL 35 x 1.5 = 53 STALLS  
 = 75 STALLS  
 35 UNITS

PARKING: +/-55 STALLS

4417sm/LEVEL  
 =17 668 sm = 1.4 FSR  
 188 UNITS  
 PARKING: +/-339 STALLS  
 RAMP DN

AMENITY

**DOWNTOWN LANGLEY**

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

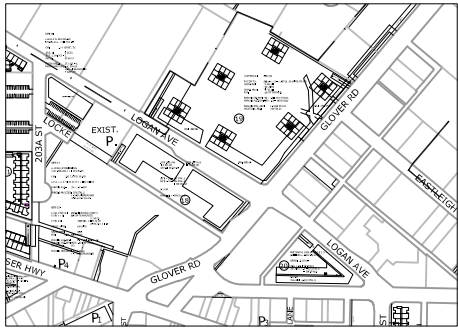
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SITES 17,22

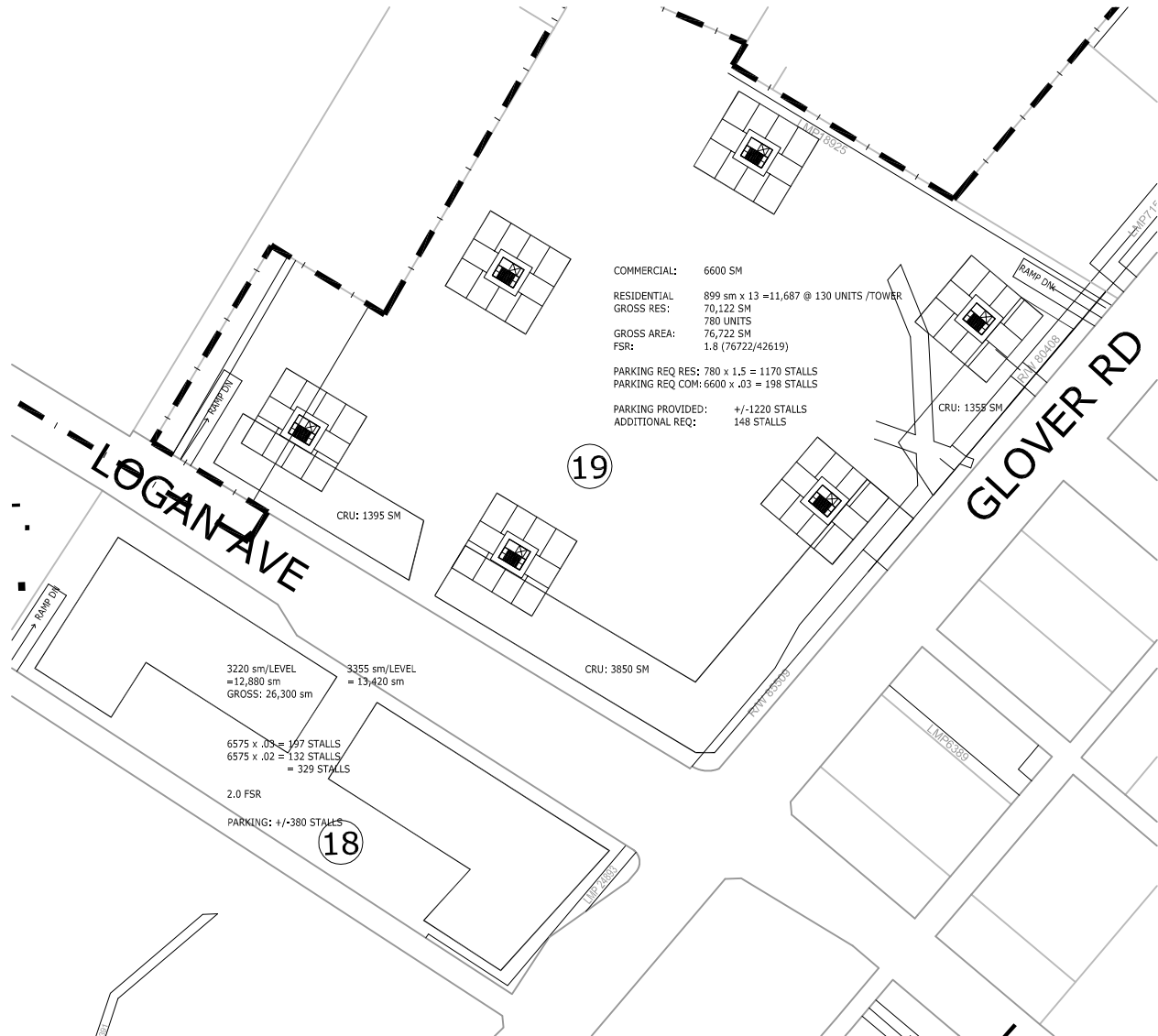
CITY OF LANGLEY FEB.25.08

0805

**A9**



KEY PLAN



DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

NTS

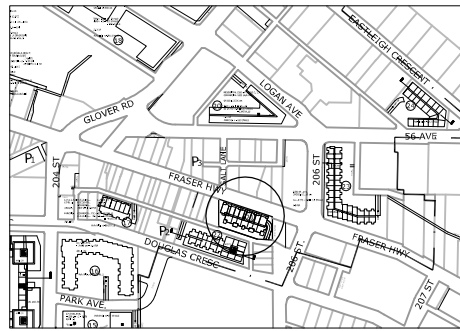
SITES 18,19

CITY OF LANGLEY

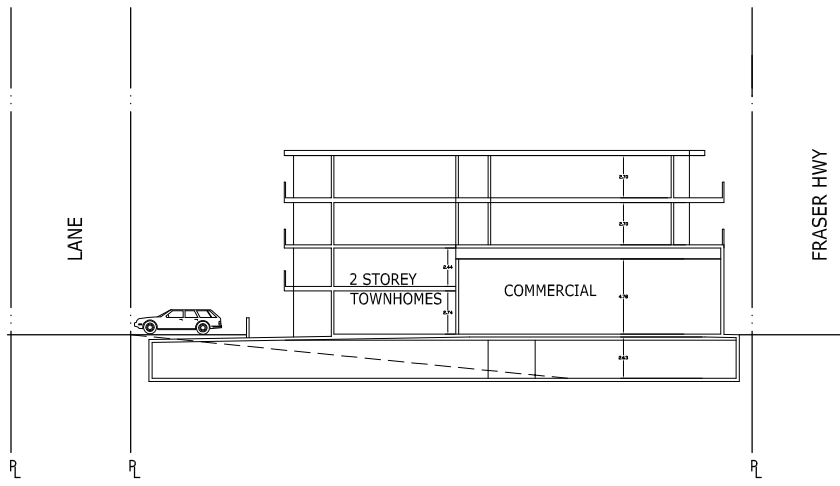
0805

FEB.25.08

A10



KEY PLAN



SITE AREA: 3354.5 sm  
 F.S.R.: 1.6 (5382/3354.5)

RESIDENTIAL:  
 LEVEL 4 APT. UNITS: 1500sm  
 LEVEL 3 APT. UNITS: 1500sm  
 LEVEL 1 - 2 STOREY TOWNHOMES: 1174sm

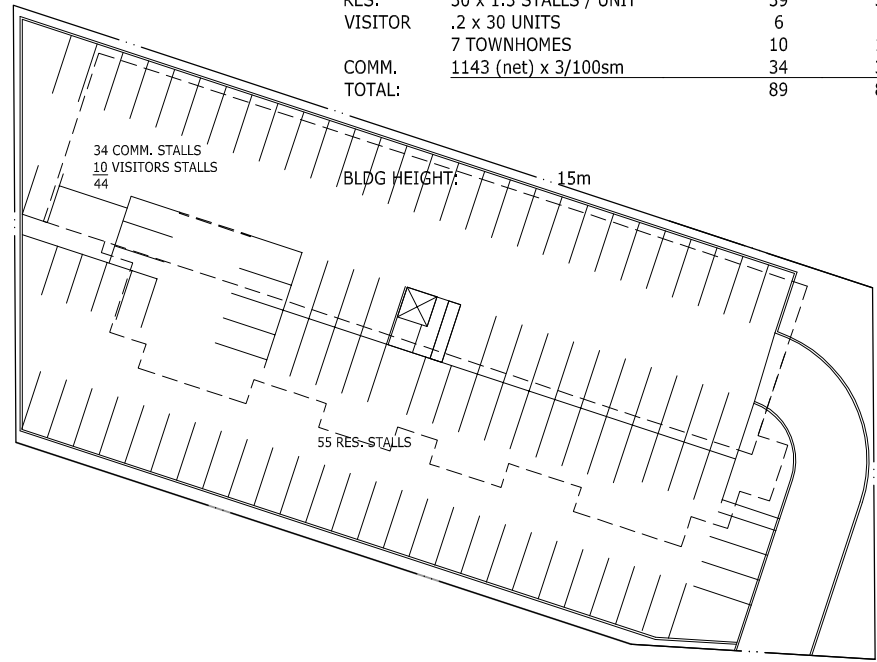
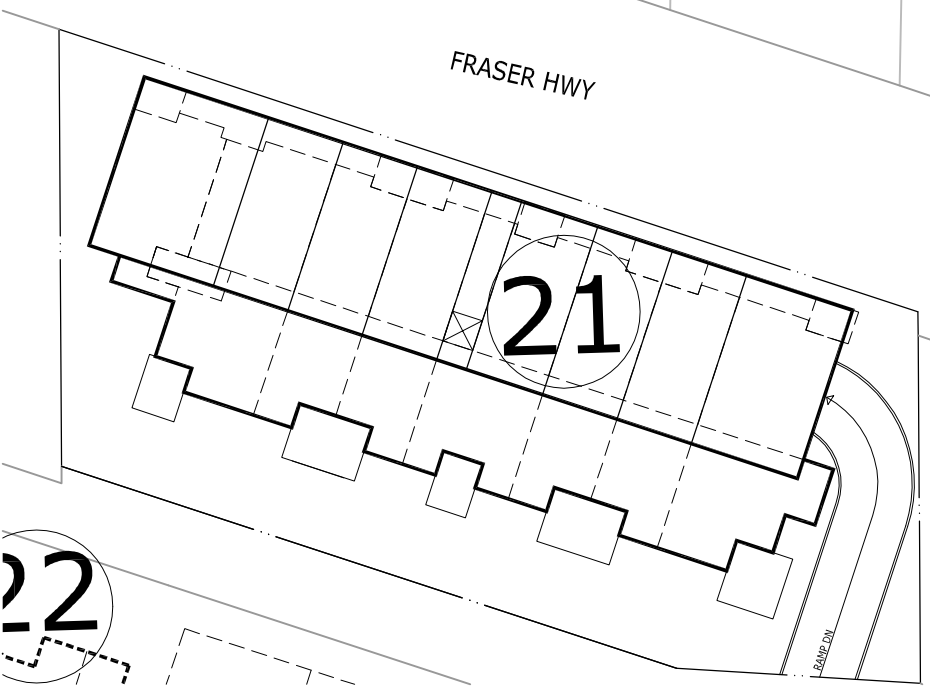
COMMERCIAL - LEVEL 1: 1208sm

GROSS BLDG AREA: 5382sm

UNIT TYPE:  
 1 BDRM 16 UNITS  
 2 BDRM 14 UNITS  
 30 UNITS

TOWNHOMES 7 UNITS  
 TOTAL: 37

PARKING:		REQ'D.	PROVIDED
RES.	30 x 1.3 STALLS / UNIT	39	39
VISITOR	.2 x 30 UNITS	6	6
	7 TOWNHOMES	10	10
COMM.	1143 (net) x 3/100sm	34	34
TOTAL:		89	89 UNDERGROUND



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DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

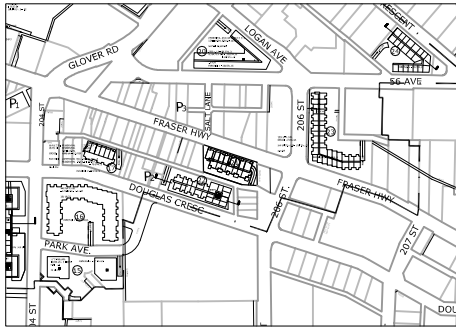
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SITE 21

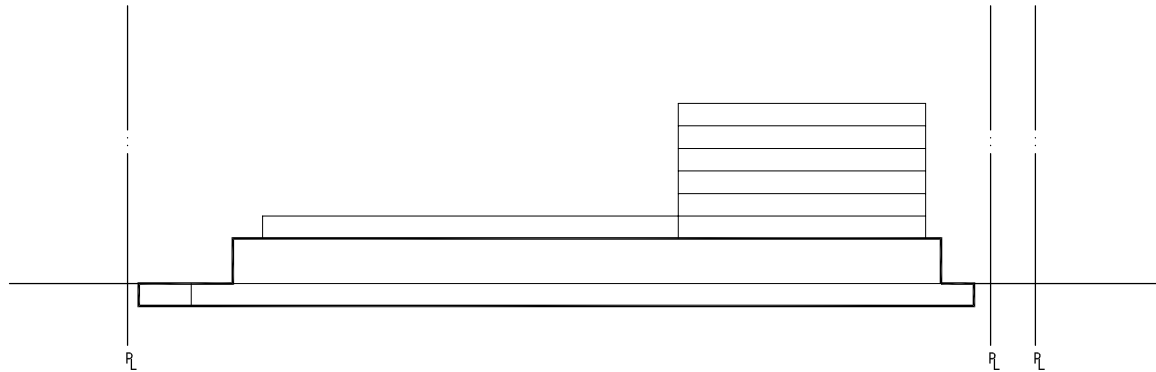
CITY OF LANGLEY FEB.25.08

0805

A11



KEY PLAN



SYNOPSIS:

SITE AREA: 4559 SM

FSR: 2.1

RETAIL: 1600 SM

APT.: 7970 SM

GROSS: 9570 SM

LEVEL 1 6 UNITS

LEVEL 2 6 UNITS

LEVEL 3 12 UNITS

TOWER: LEVEL 3 7 UNITS

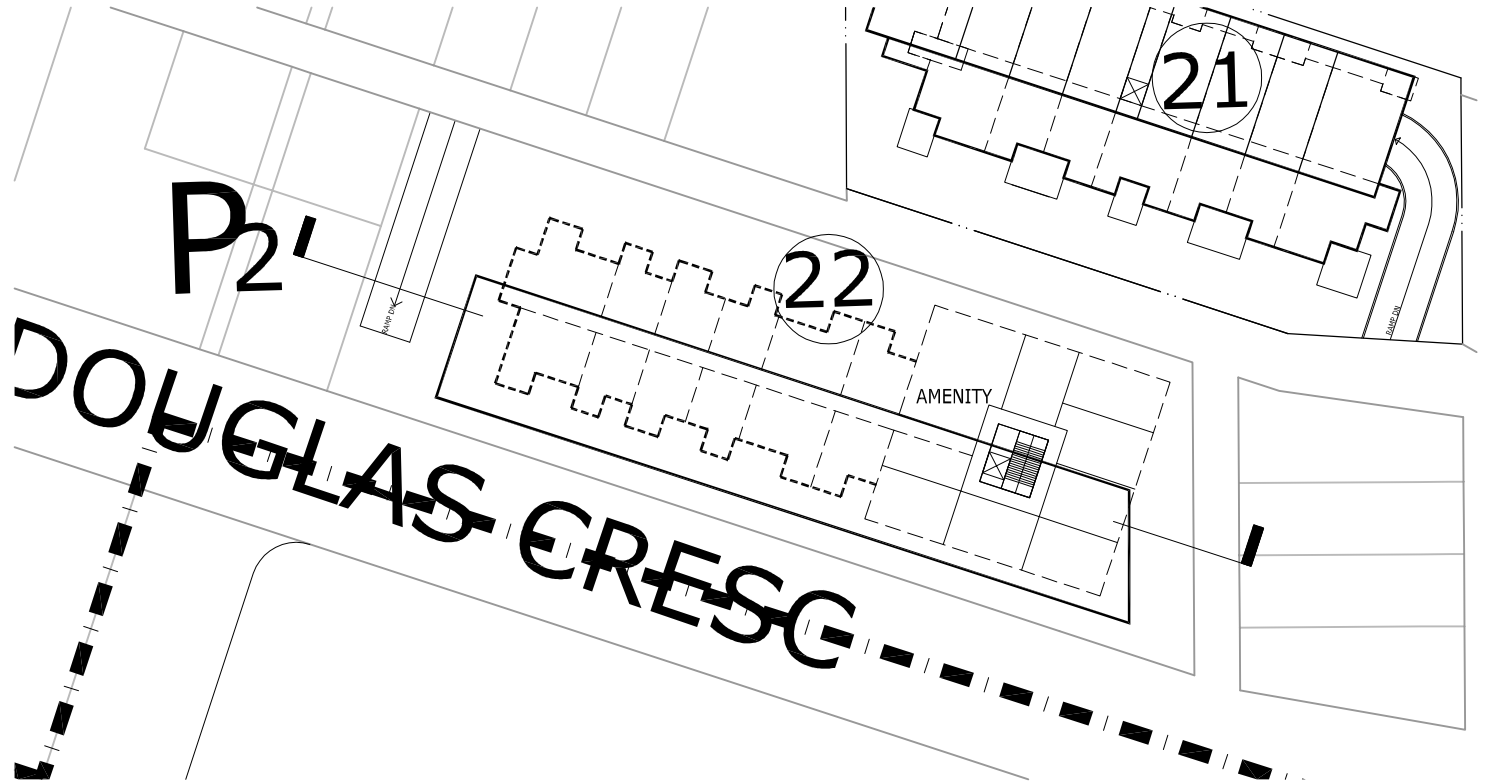
LEVEL 4-8: 10 UNITS x 5 = 50

GROSS UNITS: 81 UNITS

PARKING REQ.: 81 x 1.5 = 122 STALLS

PARKING PROVIDED: +/- 122 STALLS

RETAIL PARKING REQ.: 1600 x .03 = 48 STALLS, CASH IN-LIEU



DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

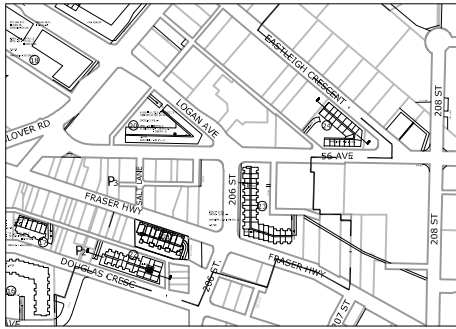
NTS

SITE 22

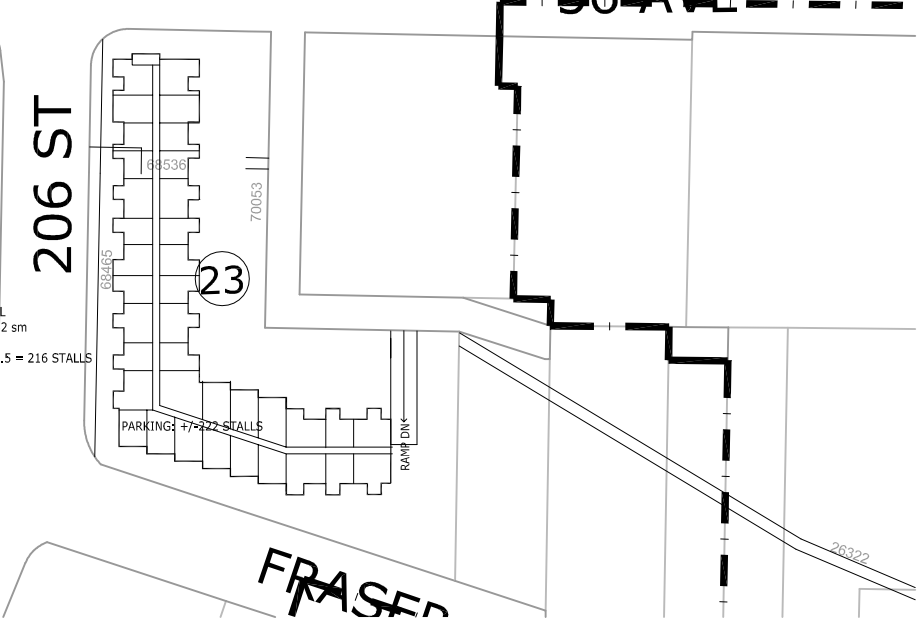
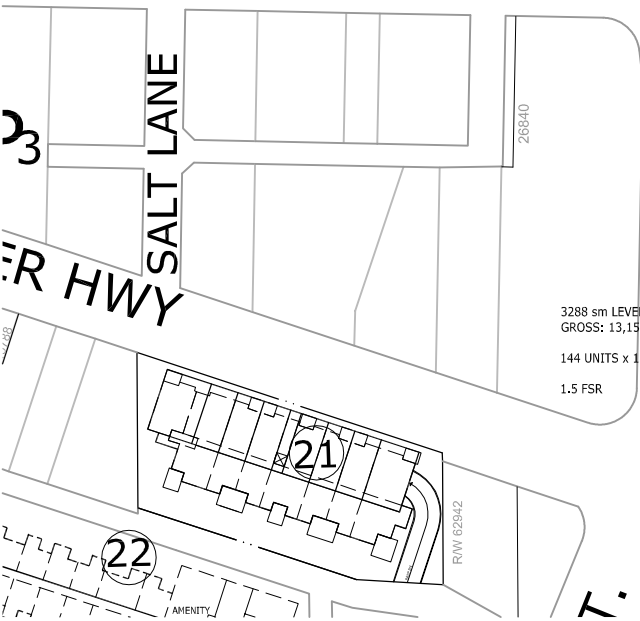
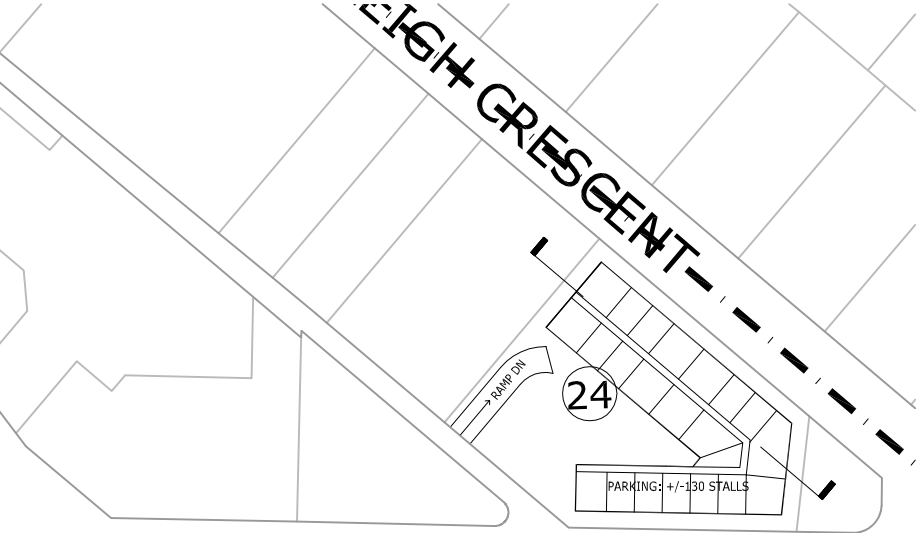
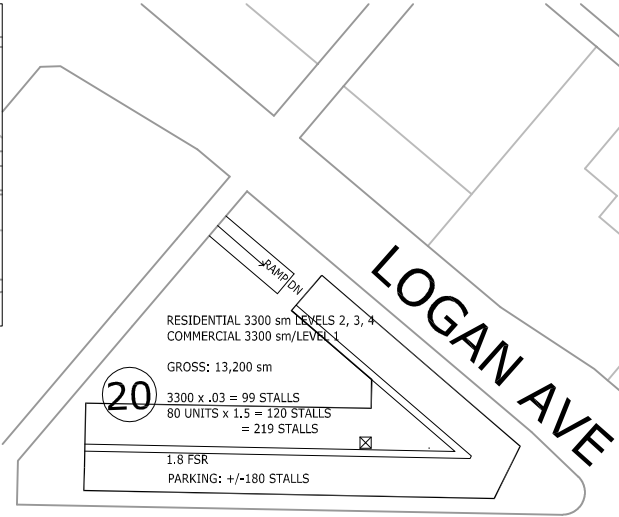
CITY OF LANGLEY FEB.25.08

0805

A12



KEY PLAN



DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY

FEASIBILITY STUDY

NTS

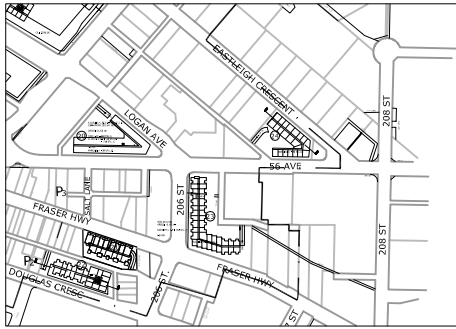
SITES 20, 23

CITY OF LANGLEY

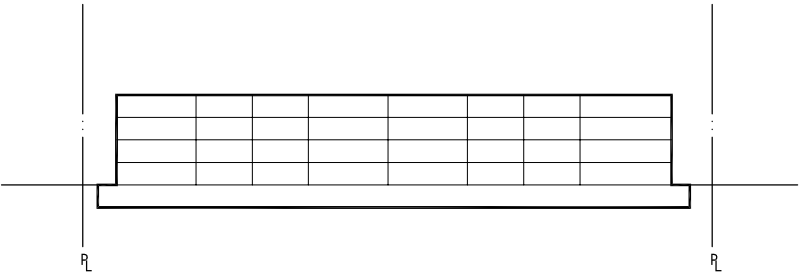
0805

FEB.25.08

A13



KEY PLAN



SYNOPSIS:

SITE AREA: 4765.57 SM

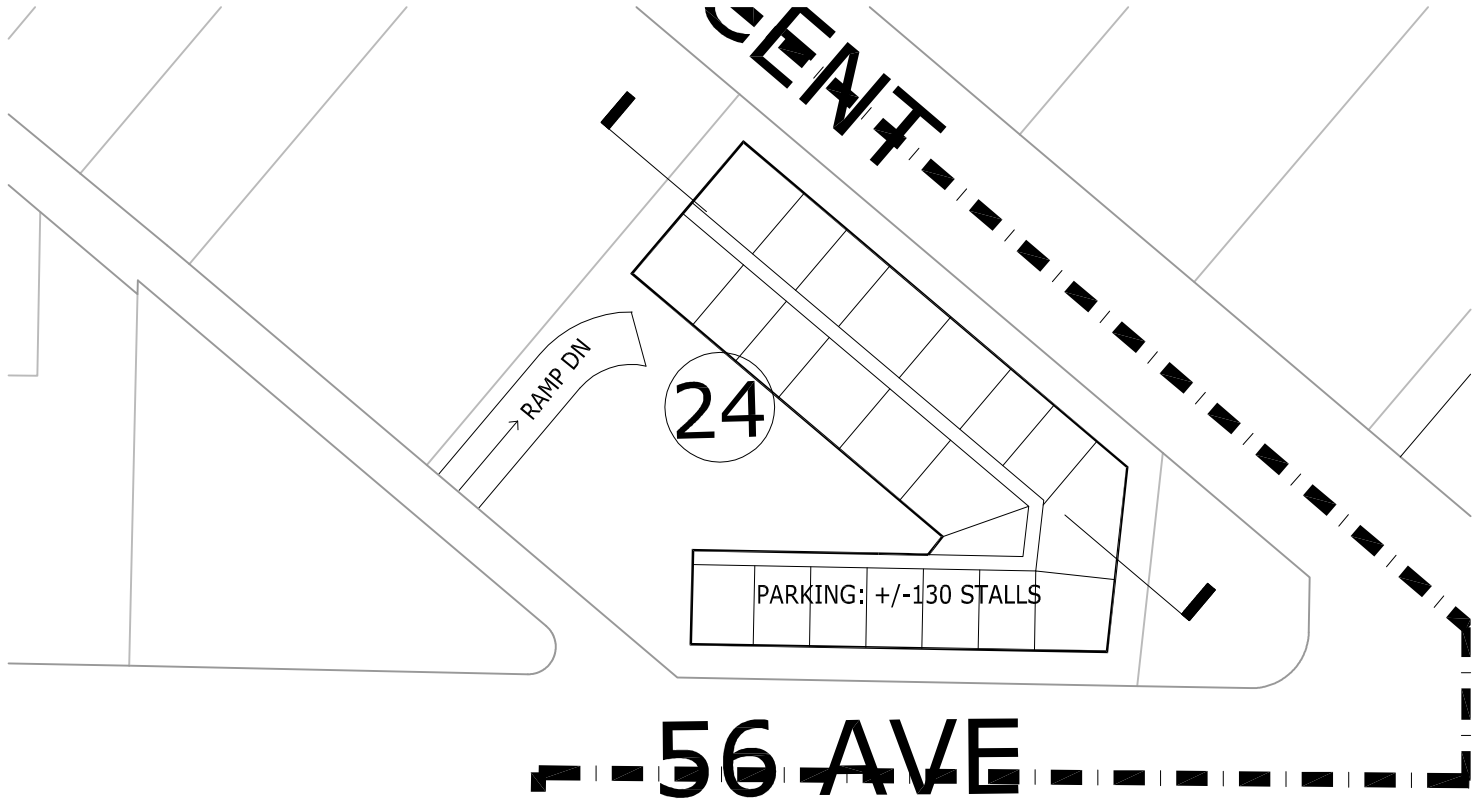
F.S.R: 1.9 (9088/4765.57)

RESIDENTIAL UNITS: 84

4 LEVELS  
 2272 sm / LEVEL  
 GROSS: 9088 sm

PARKING REQ.:  
 84 UNITS x 1.5 = 126 STALLS

PARKING PROVIDED: +/- 130 STALLS



DOWNTOWN LANGLEY

PHASE 1: 24 SITES

LANGLEY  
 FEASIBILITY STUDY

NTS SITE 24

CITY OF LANGLEY FEB.25.08

A14