## THE LEGION HOUSE

359 KENT STREET

### SPECIAL URBAN DESIGN REVIEW

23.04.14





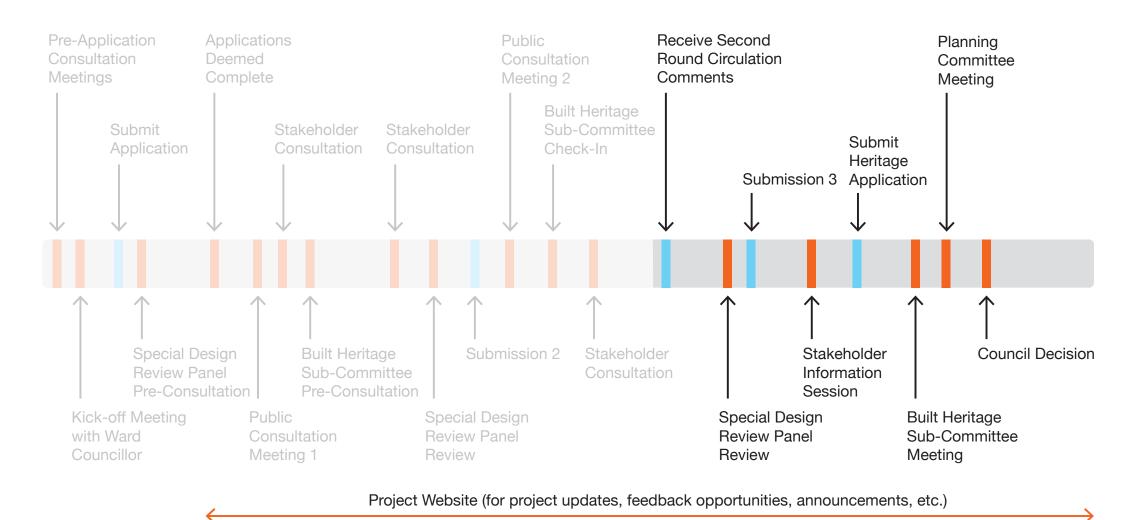








## PROCESS UPDATE SECOND ROUND CONSULTATION

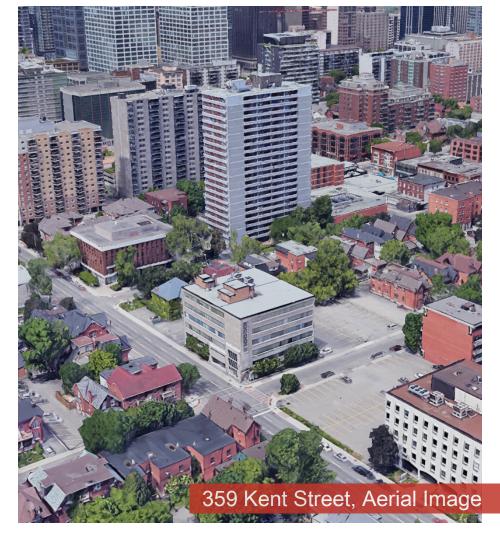


#### AS WE HEARD IT

## **KEY COMMENT THEMES**

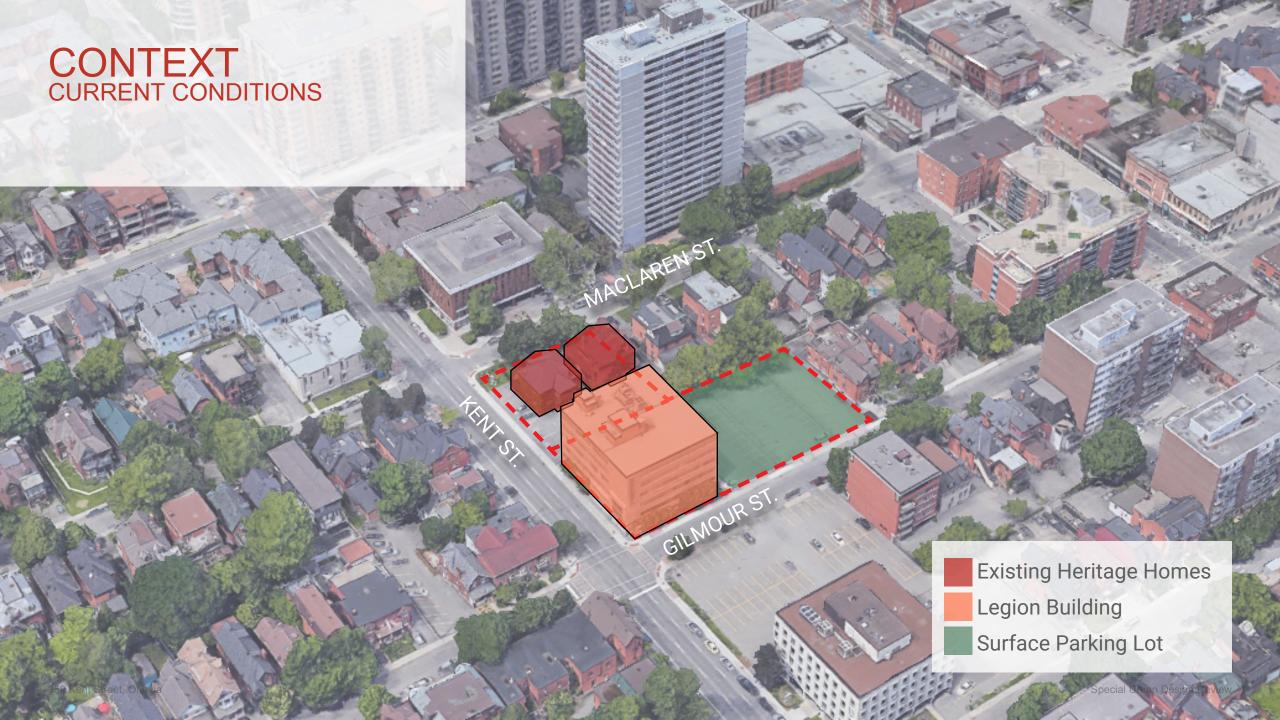
Throughout first round consultation with stakeholders, the following themes were identified and have been addressed:

HERITAGE	A key piece of feedback from the City and the Design Review Panel has been the retention and integration of the Legion House
COMMUNITY BENEFIT	Contribution of a civic use space and landscape treatment adding greenery to the perimeter of the site
SUSTAINABILITY	Project team has proposed sustainability performance targets based on consultation with City Staff and feedback from stakeholders
BUILDING HEIGHT	Tower has been reduced from 34 to 30 storeys and podium from 8 to 5 storeys
AFFORDABLE HOUSING	Taggart continues to work with the City on providing affordable housing within the development
ICONIC ARCHITECTURE	This work continues and has been shaped by the retention and integration of the Legion House facade









## SPECIAL URBAN DESIGN REVIEW PANEL SUDRP PREFERRED OPTION

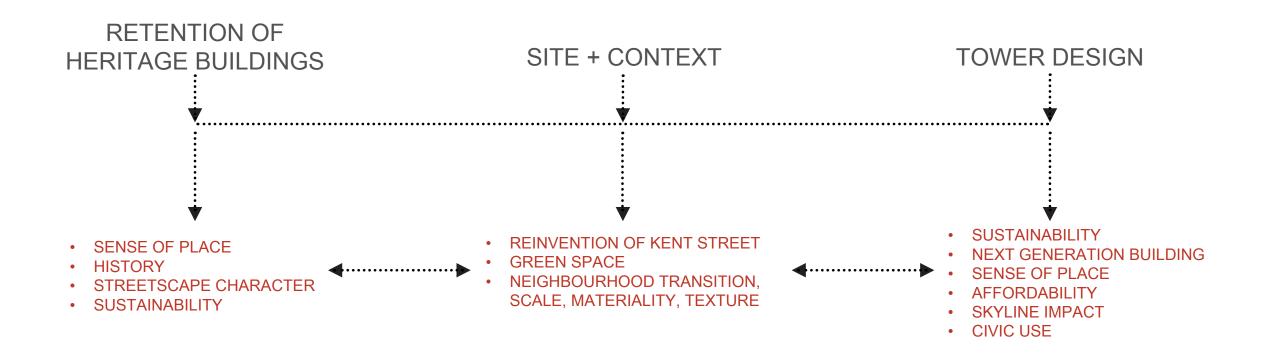


- Restore two heritage homes on MacLaren Street
- Retain six storey Legion Building in current location
- Creates intimate entrance plaza between new building and heritage homes
- Provides adequate setback for tower above level six
- Linear green space along Kent Street with intimate entrance plaza space

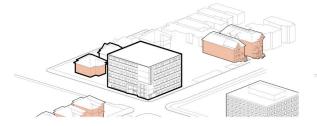




## ARCHITECTURAL STRATEGY DESIGN SHAPERS



## ARCHITECTURAL STRATEGY DESIGN SHAPERS



(1) Existing Conditions



(2)
Retain heritage homes + Legion building's
South and West facades
-

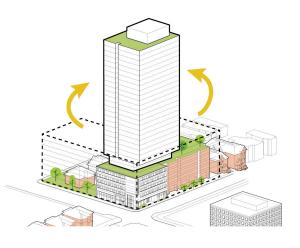
Add green space



Podium height references existing Legion building height and creates transition to the abutting neighbourhood

Elevate green space

Open ground floor of Legion to recreate a two-storey ground plane and increase site porosity

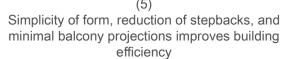


(4

Reallocation of permitted nine-storey density into tower form at the prominent corner of Kent and Gilmour, away from neighbouring homes

Tower height regulated by Parliamentary viewplane



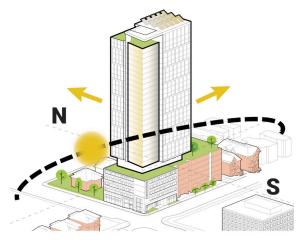


Additional green space at level 30 rooftop



Three-storey grid provides high performing building envelope due to limited glazing

Architectural language extends to the crown to encapsulate mechanical equipment, shade rooftop terrace, and create skyline impact



Tower envelope selectively opened up and form strategically angled to capture solar energy through the use of roof-mounted and integrated solar photovoltaic systems



(8) Proposed Design

## PROPOSED DESIGN

#### SITE ORGANIZATION DIAGRAM

- Preservation of heritage houses for important community use & activation of public realm
- Preservation and incorporation of heritage facades
- 3 Transformation of parking into active public realm and reimagined green space
- 4 Shifted tower away from Kent Street, and reduced podium to five storeys









## SUSTAINABILITY STRATEGY VISION

Vision for a sustainable landmark building that embodies best practices in building performance integrating climate-conscious design choices

#### 4 CORE OBJECTIVES:

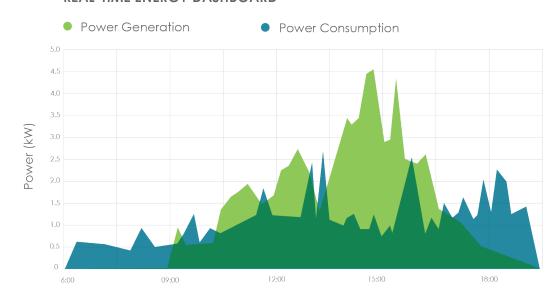
- 1. High Performance Building
- 2. Operational Energy Disclosure
- 3. Life-Cycle Assessment of Construction Materials
- 4. Construction Waste Management



### HIGH PERFORMANCE BUILDING

- Design of building systems informed by experience with dozens of residential tower projects completed under equivalent standards
- Capacity for on-site renewable energy generation to replace fossil fuel systems and/or grid electricity will be assessed
- Operational energy generation and consumption to be reported through real-time dashboard

#### **REAL-TIME ENERGY DASHBOARD**

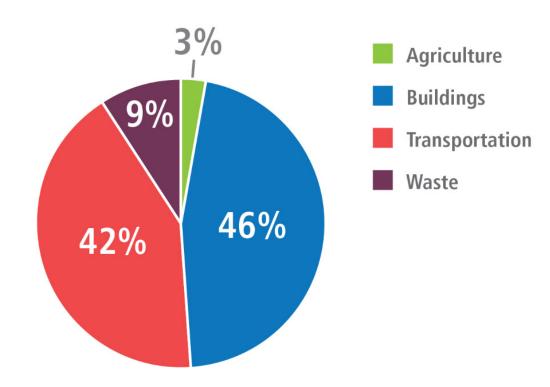




### OPERATIONAL ENERGY DISCLOSURE



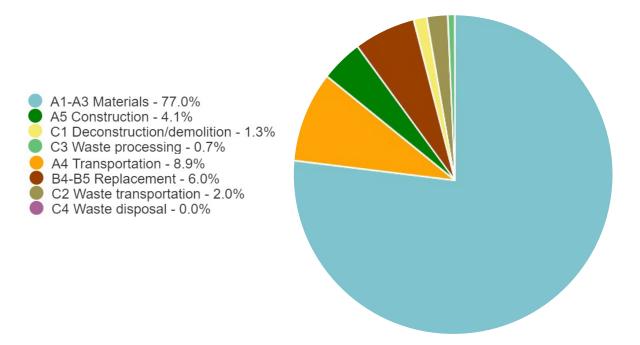
- Building will enrol in the Better Buildings Ottawa benchmarking and auditing program
- Operational data will be disclosed to support the City of Ottawa's objective to accelerate adoption of low-carbon building technologies



46% of emissions in the City of Ottawa originate from the building sector

## LIFE-CYCLE ASSESSMENT

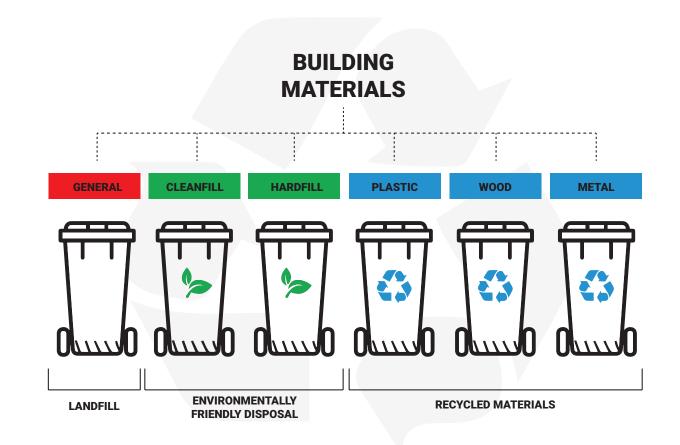
- Limited information available on impact of construction materials used in the National Capital Region
- Life-cycle assessment of construction materials will be conducted
- Assessment findings will inform procurement of lower-carbon materials where local options are available





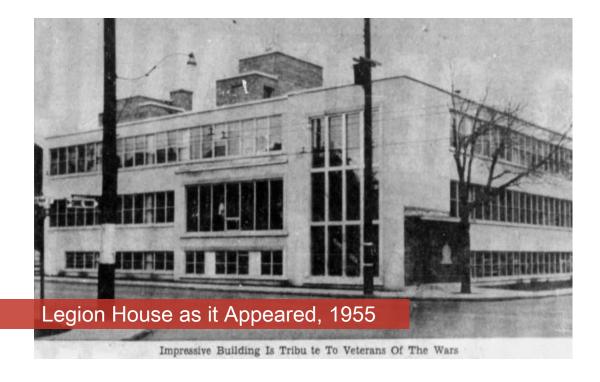
### CONSTRUCTION WASTE MANAGEMENT

- Construction Demolition and Waste Management Plan will be implemented during the construction phase
- Plan will align with LEEDv4.1 requirements and other existing best practices
- Project data (weight / volume, diversion rate, etc.) will be shared with the City of Ottawa





## PROPOSED DESIGN UPDATE HERITAGE CONSERVATION



 The limestone veneer and the fenestration are the two most prominent character defining attributes to be conserved.



Legion House as it Appeared, 1958

#### PROPOSED DESIGN UPDATE

## THE PODIUM OF THE NEW DEVELOPMENT

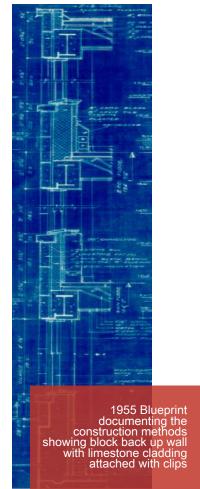
 Six-storey exterior limestone façade of the Legion House

#### THE SCOPE OF CONSERVATION WORK

- Document and label the limestone cladding materials prior to demolition,
- Dismantle and salvage 1,200 limestone cladding units,
- Crate, determine repairs, store; and
- Reassemble on a new back-up wall.



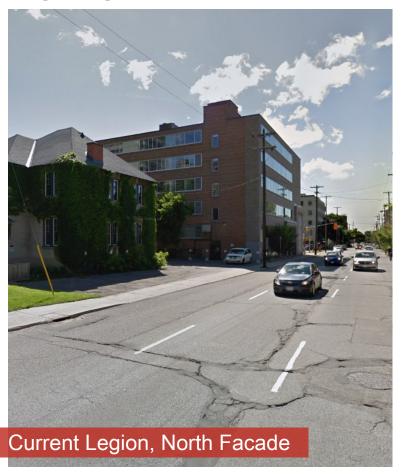




359 Kent Street. Ottawa

## RETENTION OF HERITAGE FACADE

## WHY KEEP THE EXISTING FACADES?



- Anchors the intersection, and provides a familiar sense of place
- Reduced embodied carbon impact through repurposing existing materials
- Reassembling limestone veneer on a new back-up wall improves thermal performance
- Key features of South and West facades are maintained

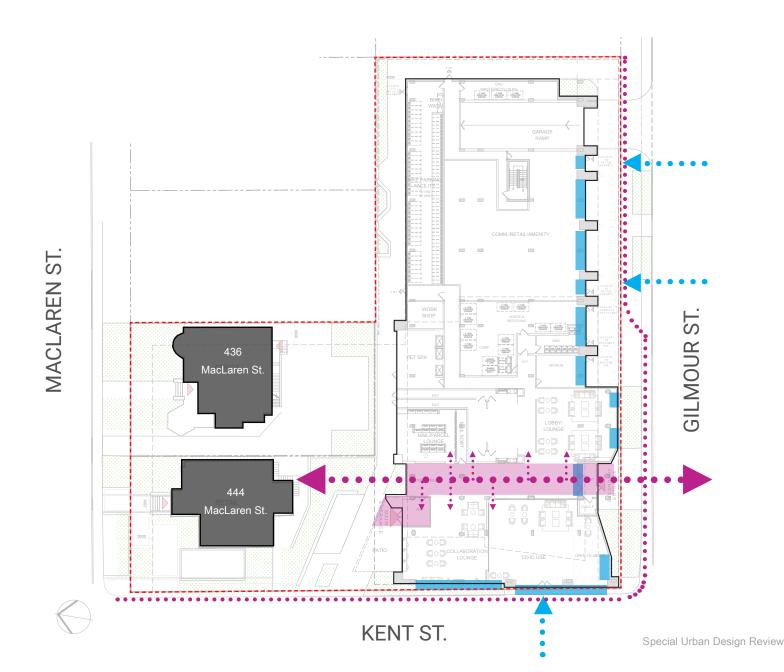




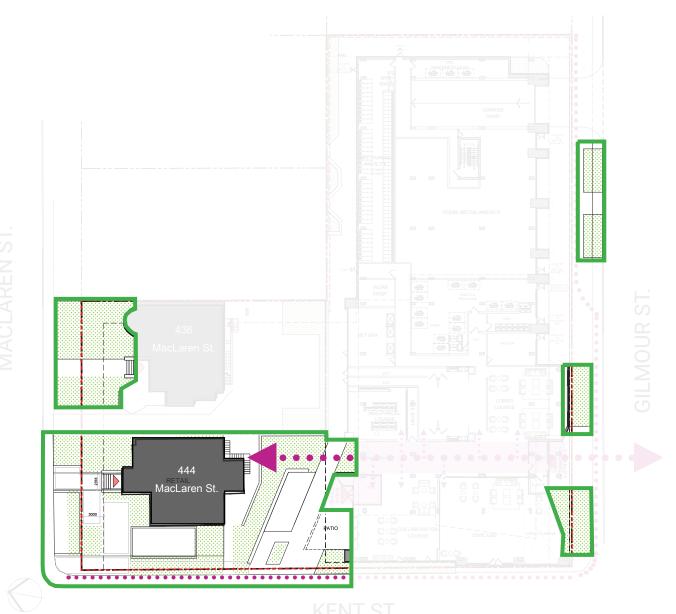




- Primary organizational axis creates an enclosed street within the building, connecting Gilmour and the proposed entrance plaza
- New entrances and additional glazing along Kent Street and Gilmour Street create a porous ground plane activating the street, drawing users into a civic use space, amenities, and commercial / retail units



- A reimagined green space buffers the existing heritage homes and the proposed design.
- Landscape treatment ties the three built elements together through the consistent application of green space
- Landscape treatment seeks to provide smaller intimate spaces for community members to pause, gather and interact.



359 Kent Street. Ottawa

#### CIVIC USE SPACE OPTIONS

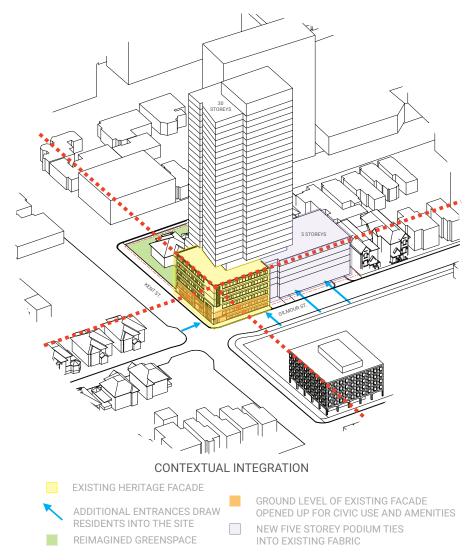
- EXISTING HERITAGE HOME AT 436 MACLAREN STREET
- OPTION 1: AREA LOCATED AT PROMINENT CORNER OF KENT STREET AND GILMOUR STREET
- OPTION 2: AREA LOCATED
  WITHIN NEW PODIUM
  COMPONENT ALONG GILMOUR
  STREET



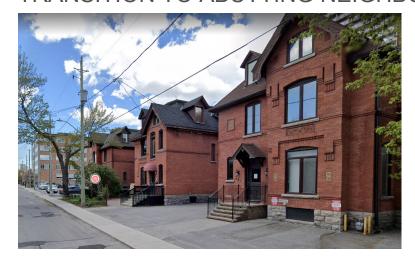
#### SITE PLAN



#### NEIGHBOURHOOD SCALE REFERENCE



### TRANSITION TO ABUTTING NEIGHBOURHOOD









# PROPOSED DESIGN UPDATE LANDSCAPE

### **DESIGN VISION**











### Landscape Vision

## PROPOSED DESIGN UPDATE LANDSCAPE

#### DRAW ME IN

The arrival and gathering area between the heritage houses and the new tower entices the pedestrian into the space and enhances the prominence of the main building access. This is achieved through lining the pathway with raised benches and a directional paving pattern. This both leads the pedestrian in while creating shaded space to linger. An urban lighting waterfall (no real water) creates a bright and dynamic focal point for all seasons and all times of day.





Reflective Metal Art Installation

#### Landscape Vision



### MAKE ME A PART

The gathering space at the core of the site becomes a community space that spills out from the residents lounge. The urban lighting waterfall (no real water) becomes a playful and interactive element that changes throughout the day and throughout the season.

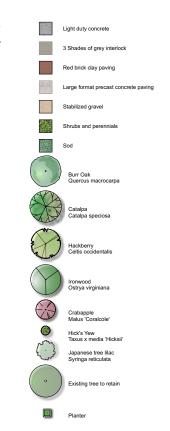


## Landscape Vision



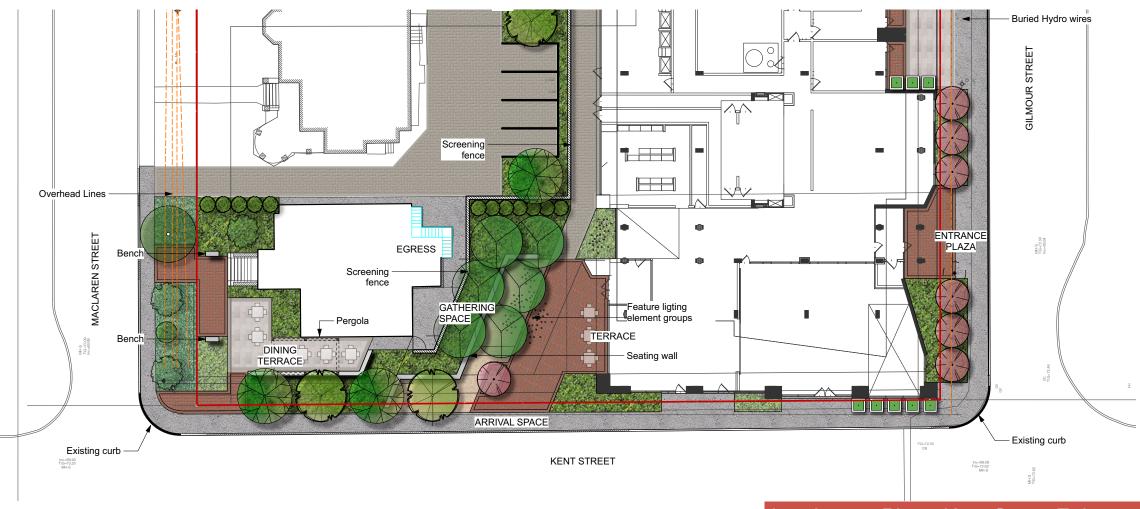
### **DESIGN OBJECTIVES**

- REAL TREES
- URBAN GREEN SPACE
- COMMUNITY / SOCIAL SPACES
- ARRIVAL & GATHERING SPACE





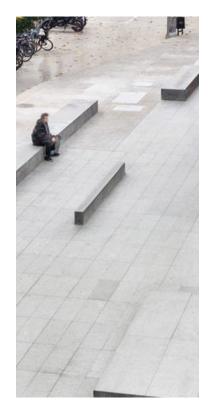
Landscape Plan



Landscape Plan - Kent Street Enlargement



### MATERIAL SELECTION



Large format paving slabs



Slimline herringbone clay pavers as accent



Grey concrete paver mix as secondary paths



Stabilized gravel as gathering space surface

Proposed landscape design seeks to improve water infiltration and retention due to removal of impervious surface paving materials per HPDS requirements for cool paving and 50% perviousness

Landscape Vision

### **ESTABLISHING REAL TREES**







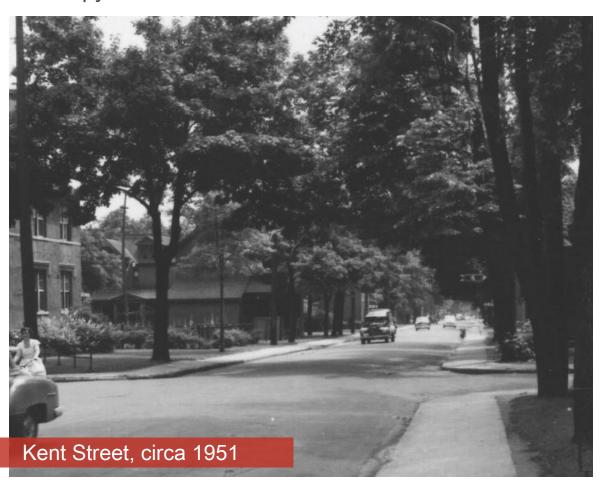
A modular suspended pavement system that uses soil volumes to support large tree growth and provide powerful on-site storm water management through absorption, evapotranspiration, and interception.

Trees will be planted with minimum 30m³ of soil within the cells per HPDS requirements

Landscape Vision

# SITE + CONTEXT REINVENTION OF KENT STREET

Pedestrian friendly, green street edge, urban tree canopy and slow traffic



Poor pedestrian experience, minimal tree canopy, high traffic



















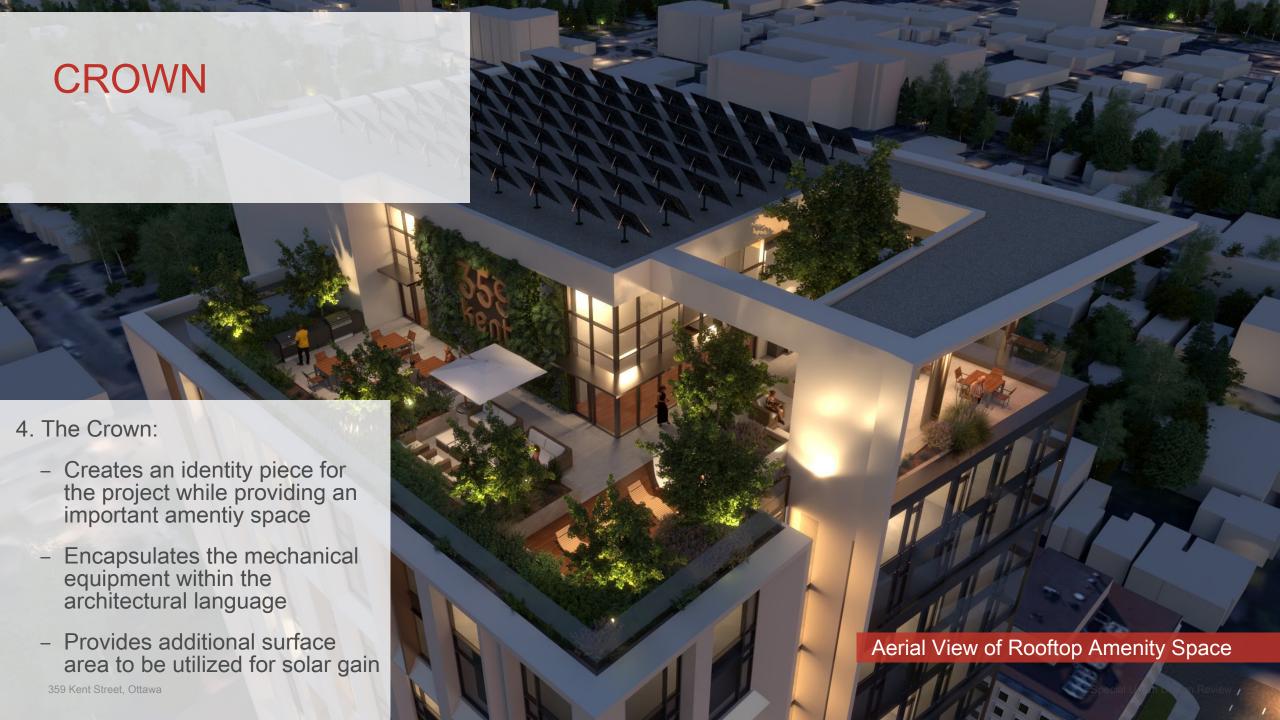








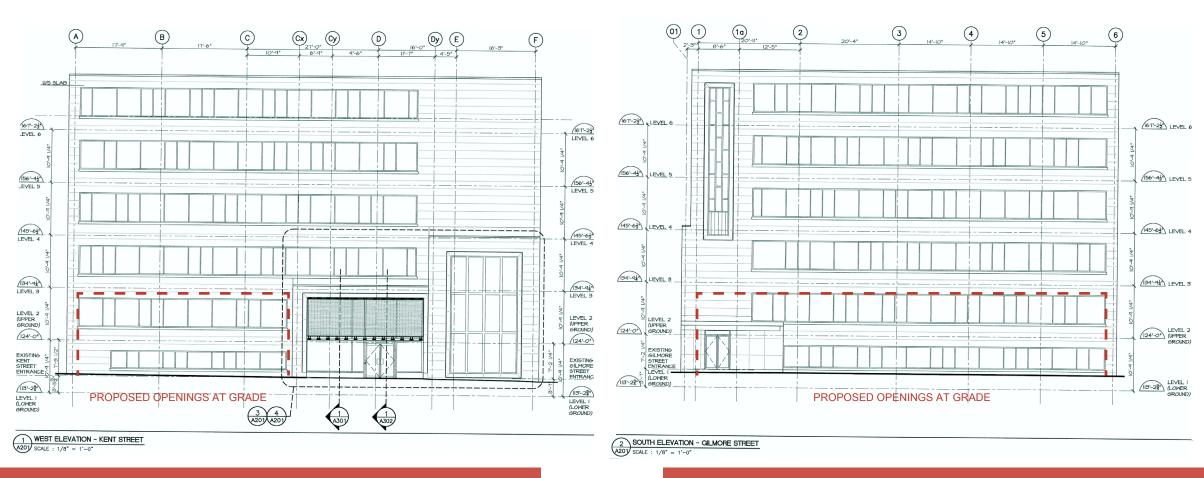






## APPENDIX

## **EXISTING FACADE ALTERATIONS**



West Elevation of Existing Legion Building, circa 2006

South Elevation of Existing Legion Building, circa 2006

**CURRENT VS. PROPOSED** 





**CURRENT VS. PROPOSED** 





# RETENTION OF HERITAGE FACADE CURRENT VS. PROPOSED





**CURRENT VS. PROPOSED** 









EVELOPMENT STATS		REQUIRED	EXISTING BLD	G. PROPOSED
LOT WOTH				MIN 33.2m MAX 66.5m
LOT DEPTH				MIN 36.4m MAX 72.0m
UNITS				
TOTAL UNITS				322
FRONT YARD SETBACK	KENT STREET		0 m	VARIES
REAR YARD SETBACK		7.5 MIN.		3.0 m
CORNER SIDE YARD SETBACK	GILMOUR AVE .		0 m	3.0 m
CORNER SIDE YARD SETBACK	MACLAREN AVE.			VARIES
BUILDING HEIGHTS		_		
PODIUM				24 m
34 STOREY TOWER				99 m
BUILDING AREA				
TOTAL GROSS				+/-320,744 sq.ft. (29,798 sq.m.)
TOTAL NET (RESIDENTIAL + CO	MNERCIAL/RETAIL			+/-250,271 sq.ft (23,251 sq.m.
GROSS FLOOR AREA (city def.)				+/-250,271 sq.ft. (23,251 sq.m.)

NOTE: ALL EXISTING SITE INFORMATION AS PER SITE SURVEY PLAN DATED APRIL 16, 2021 AND PREPARED BY ANNIS O'SULLIVAN VOLLEBEK LTD

UNIT RATIOS	PROPOSED	PROPOSED		
TOTAL UNIT COUNT		322		
STUDIOS	33	10%		
1 INTERNAL BEDROOM	2	1%		
1 BEDROOM	106	33%		
1 BEDROOM + DEN	51	16%		
2 BEDROOM (1 INTERNAL)	17	5%		
2 BEDROOM	110	34%		

AMENITY SPACE REQUIREMENTS: 6 m<sup>2</sup> REQUIRED PER UNIT (322 X 6 SQ.M. = 1,932 SQ.M. REQUIRED TO BE COMMON AMENITY SPACE)

966	SQ.M.	REQUIRED	TO BE	COMMON	AMENITY	SPACE	:)	
					PRI	DMDED	AMENITY SPACE	
							. AMENITY PROVIDED RE COMMON AMENITY SPACE	

PARKING REQUIREMENTS: 322 units (\*Reduced by 12) 310\*0.5 = 155 + 310\*0.1 = 31 = 186 (\*all parking located below grade, required parking reduced by 10%) = 168 parking spaces required

PROVIDED RESIDENTIAL PARKING			
185 RESIDENTIAL PARKING SPACES PROVIDED FOR 322 UNITS (0.57/UNIT)			
PROVIDED VISITOR PARKING			
31 VISITOR PARKING SPACES PROVIDED FOR 322 UNITS (0.10/UNIT)			
216 TOTAL PARKING PARKING SPACES PROVIDED (*76 SHORT CAR PARKING			

BICYCLE PARKING REQUIREMENTS: 322 units \* 0.5 = 161

299 (152 VERTICAL + 147 HORIZONTAL) BICYCLE PARKING SPACES PROVIDED FOR 322 UNITS (0.93/UNIT)
\* LOCATED IN UNDERGROUND PARKING GARAGE AND AT GROUND LEVEL (NT.)



TAGGART REALTY MANAGEMENT

CIVE

11. RICHARDS
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11. BIS-13-058

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PROPOSED DEPRES
OURS DETAIL TO
CITY OF OTTAWA
STANDARD SC-7

CB PROPOSED CATCH BASIN \*BAS SIGNAGE FOR ACCESSIBLE PARKING SPACE COESSIBLE PARKING S

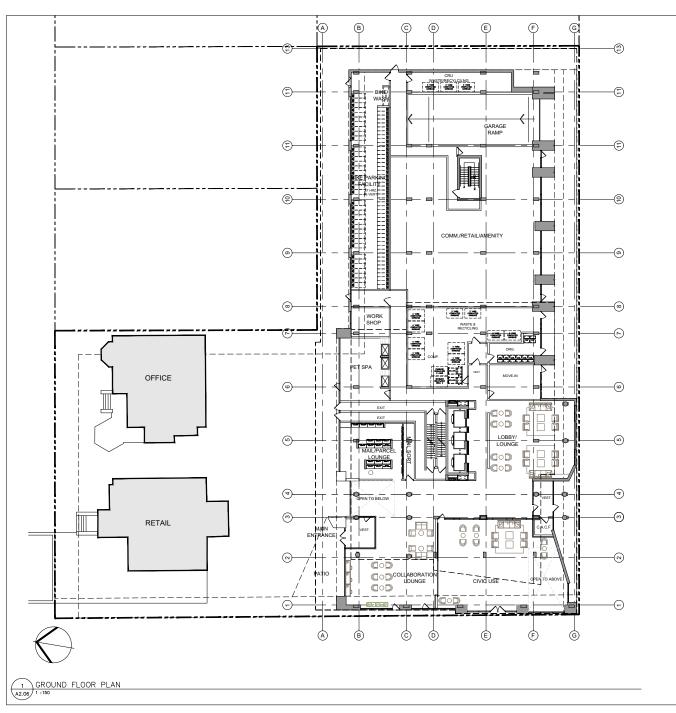
FRS SCHACE FOR
FRE ROUTE ACCESS

FIG. DESTING SIGN

COE EXSTING LIGHT POLE

OF PROPOSED WALL

359 KENT STREET OTTAWA ON. DRAWING TITLE:
SITE PLAN





ARCHITECT HOBIN ARCHITECTURE PATRICK BISSON T 613-238-7200

PLANING FOTENN CONSULTANTS INC STEPHANIE MORRIS T 613-730-5709

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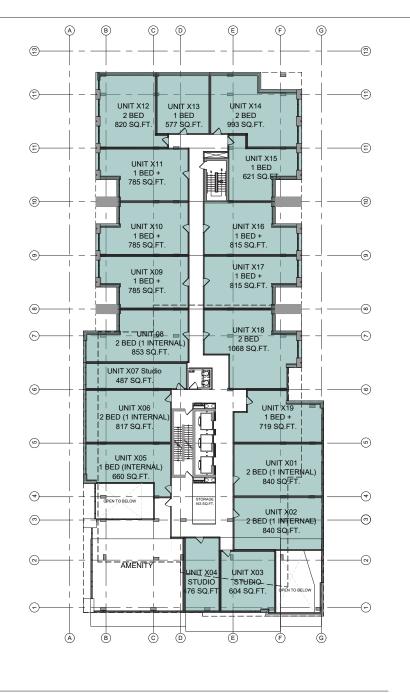




PROJECT/LOCATION: 359 KENT STREET

FLOOR PLAN GROUND LEVEL

DRAWING NO. A200





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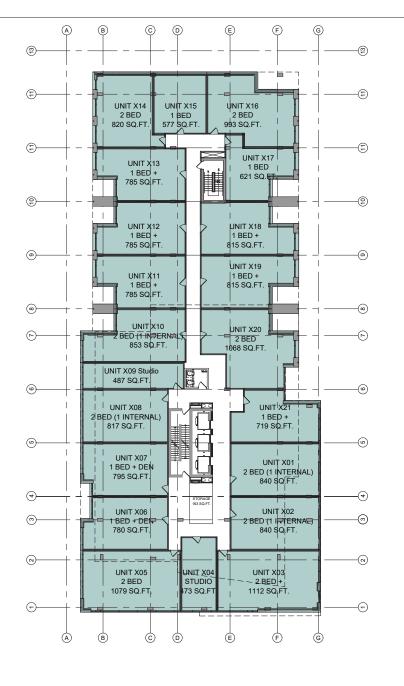


359 KENT STREET

RAWING TITLE:
FLOOR PLAN
LEVEL 2

DRAWING NO.







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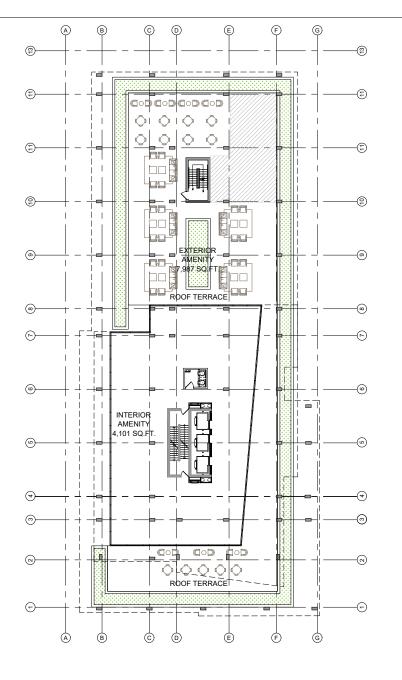
PROJECT/LOCATION: 359 KENT STREET

FLOOR PLAN LEVELS 3-5

DRAWING NO.:

A202

1 LEVELS 3-5 FLOOR PLANS 1:150





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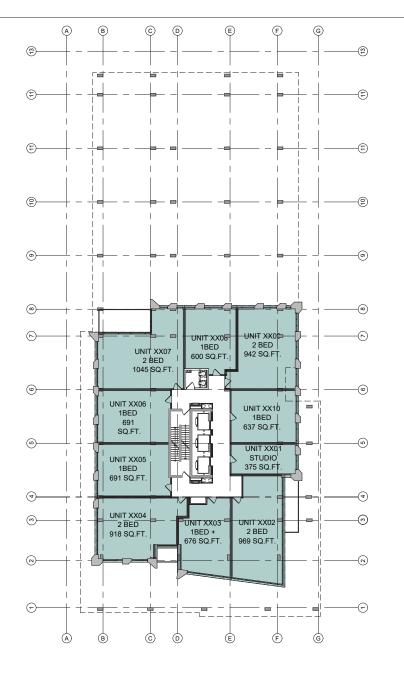
PLOOR PLAN LEVEL 6

DRAWING NO.:

A203



1 LEVEL 6 FLOOR PLAN 1:150





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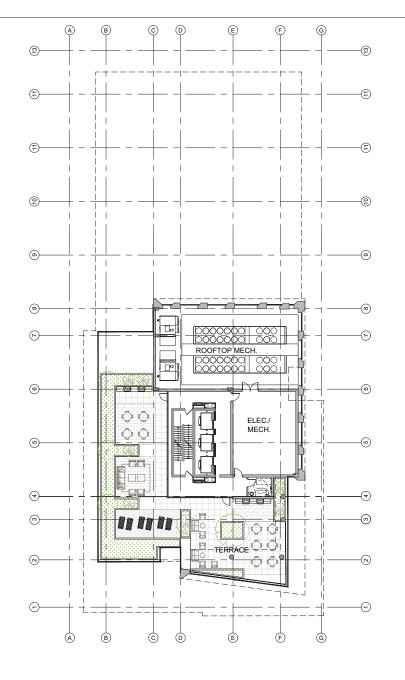


PROJECT/LOCATION: 359 KENT STREET

RAWING TITLE: FLOOR PLAN LEVELS 7-30

DRAWING NO.:







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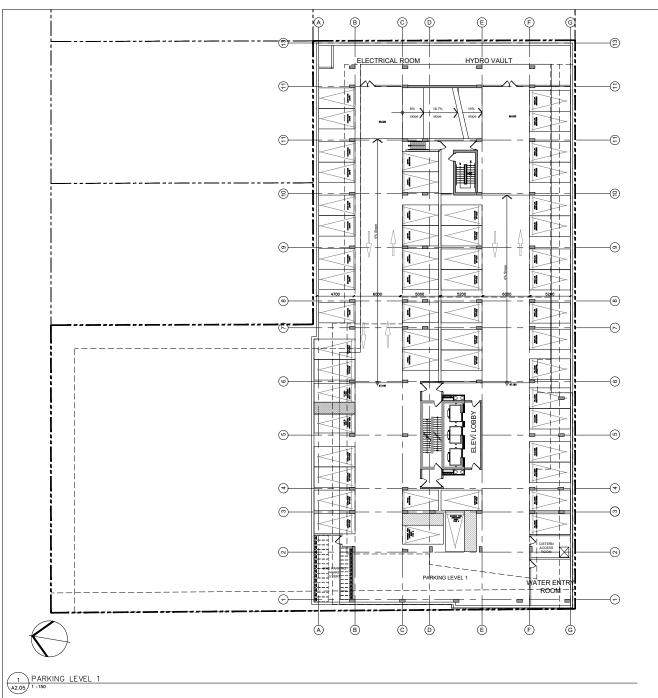
FLOOR PLAN ROOFTOP

DRAWING NO.:

A205



1 ROOFTOP - TYPICAL TOWER PLAN





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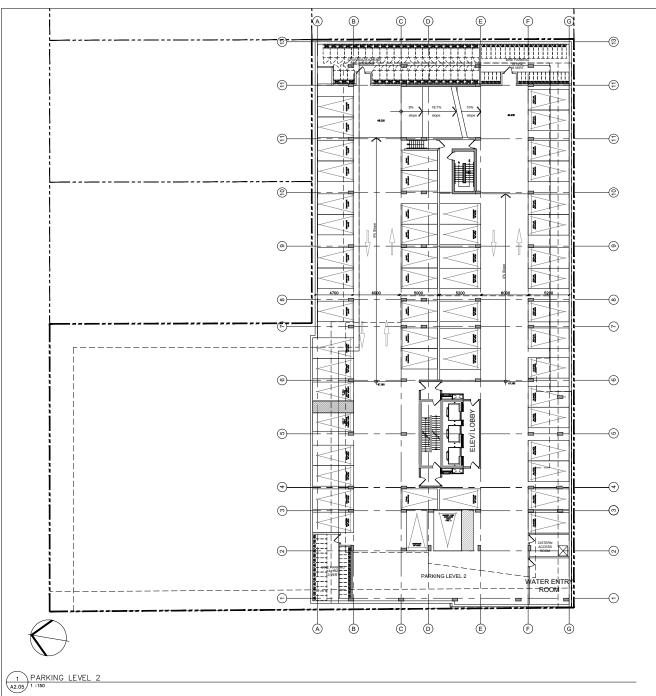
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PROJECT/LOCATION: 359 KENT STREET

DRAWING TITLE:
FLOOR PLAN
PARKING LEVEL 1

DRAWING NO.:





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SURVEYOR ANNIS O'SULLIVAN VOLLEBEKL LTD. ED HERWEYER T 613-727-0850

no.	date	revision
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It is the responsibility of the appropriate contractor to check and werify all dimen-sions on site and report all errors and/ or omissions to the architect.

All contractors must comply with all pertinent codes and by-laws.

Do not scale drawings.

This drawing may not be used for construction until signed.

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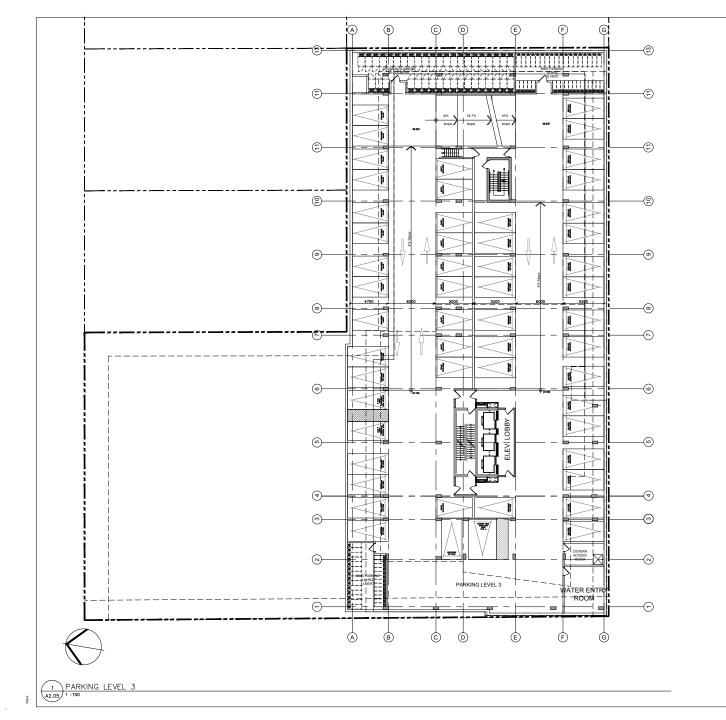




PROJECT/LOCATION: 359 KENT STREET

ORAWING TITLE: FLOOR PLAN PARKING LEVEL 2

DRAWING NO.:





ARCHITECT HOBIN ARCHITECTURE PATRICK BISSON T 613-238-7200

PLANING FOTENN CONSULTANTS INC STEPHANIE MORRIS T 613-730-5709

CIVIL
J.L. RICHARDS
LUCIE DALRYMPLE
T 613-913-4368

LANDSCAPE ARCHITECT LASHLEY & ASSOCIATES LAI DANIELA CORREIA T 613-233-8579

TRANSPORTATION PARSONS MATT MANTLE T 613-222-8234

ENVIRONMENTAL GRADIENT WIND ENGI JOSHUA FOSTER T 613-836-0634

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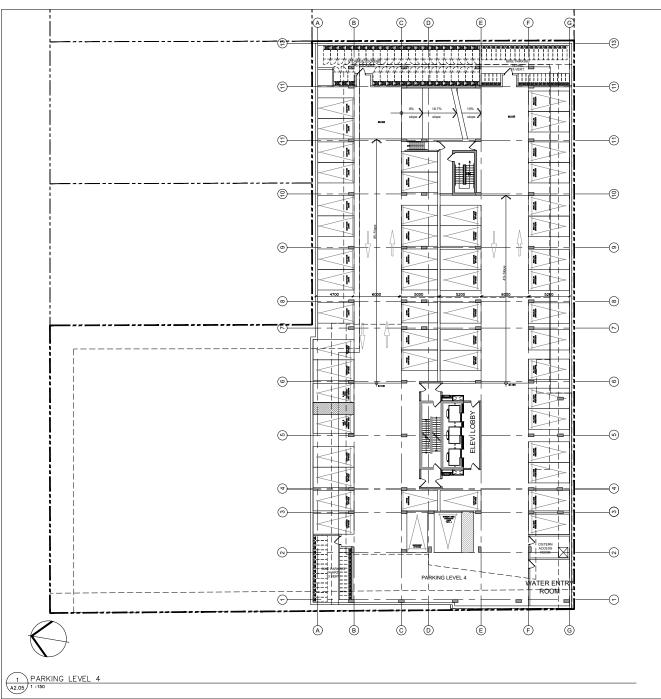




PROJECT/LOCATION: 359 KENT STREET

ORAWING TITLE: FLOOR PLAN PARKING LEVEL 3

DRAWING NO.:





ARCHITECT HOBIN ARCHITECTURE PATRICK BISSON T 613-238-7200

PLANING FOTENN CONSULTANTS INC STEPHANIE MORRIS T 613-730-5709

CIVIL
J.L. RICHARDS
LUCIE DALRYMPLE
T 613-913-4368

LANDSCAPE ARCHITECT LASHLEY & ASSOCIATES LAND DANIELA CORREIA T 613-233-8579

TRANSPORTATION PARSONS MATT MANTLE T 613-222-8234

ENVIRONMENTAL GRADIENT WIND ENGI JOSHUA FOSTER T 613-836-0634

SURVEYOR ANNIS O'SULLIVAN VOLLEBEKL LTD. ED HERWEYER T 613-727-0850

no.	date	revision
1	21.09.02	ISSUED FOR REZONING
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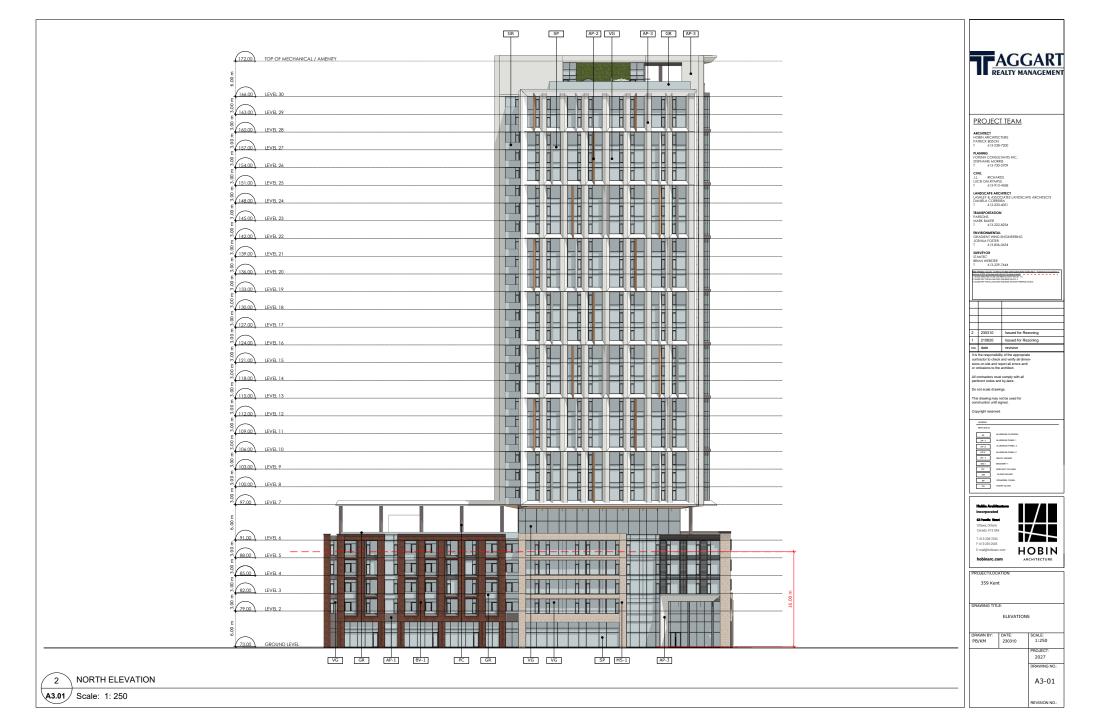


PROJECT/LOCATION: 359 KENT STREET

DRAWING TITLE:
FLOOR PLAN
PARKING LEVEL 4

DRAWING NO.:







### **JUNE 21** 8:00 AM 7:00 AM 9:00 AM 10:00 AM 11:00 AM 12:00 PM 5:00 PM 1:00 PM 2:00 PM 3:00 PM 4:00 PM 6:00 PM **MARCH/SEPTEMBER 21** FULL SHADOW COVERAGE, TIME NOT APPLICABLE 12:00 PM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 7:00 AM 1:00 PM 2:00 PM 3:00 PM 6:00 PM 4:00 PM 5:00 PM **DECEMBER 21** FULL SHADOW COVERAGE, TIME NOT APPLICABLE 12:00 PM 8:00 AM 9:00 AM 10:00 AM 11:00 AM 7:00 AM FULL SHADOW COVERAGE, FULL SHADOW COVERAGE, TIME NOT APPLICABLE TIME NOT APPLICABLE

4:00 PM

3:00 PM



**359 KENT STREET**Top-View Shadow Analysis

2:00 PM

1:00 PM

6:00 PM

5:00 PM