# **CEREATSTREET** THE LAKE SHORE BOULEVARD CORRIDOR

Competition to Develop Innovative Design Options for the Gardiner Expressway and Lake Shore Boulevard Reconfiguration Environmental Assessment

Waterfront Toronto + The City of Toronto

prepared by **james corner field operations** with ARUP + Schollen & Company + North-South Environmental



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# **TORONTO'S GREAT STREET** THE LAKE SHORE BOULEVARD CORRIDOR

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### THE EXISTING SITUATION

It is difficult to ague for the preservation of a piece of infrastructure that has drawn calls for its removal from the very moment it was proposed. Crumbling away, and no longer efficiently serving the purpose it was originally intended, the question of what to do with the existing Gardiner is fundamentally less important than the question of what is the ideal solution for replacing it. The structure is unexceptional in both its form and materiality, functioning solely as a barrier between the City of Toronto and its recently rediscovered waterfront. Boston buried their waterfront expressway. San Francisco re-imagined the transportation infrastructure along it's bay by creating a unique public realm amenity that provides service for both pedestrians and vehicles. What should Toronto choose to do? Another Big Dig? A Grand Lake Shore Boulevard? Something else; something yet un-imagined?

The reconfiguration of the Gardiner is not just about the modification of a piece of 1960's transportation infrastructure. It is about removing the last great obstacle preventing the City of Toronto from reclaiming its waterfront. In order for proposals for the East Bayfront, the West Don Lands, the Lower Don Lands and the Port Lands, as well as Lake Ontario Park to become a reality, the Gardiner as it exists today simply must come down. If it remains, dollars invested in projects elsewhere will never reach their capitalization potential.



### **THREE PRIMARY CHALLENGES**

Based on our understanding the existing context of the Gardiner Expressway/Lakeshore Boulevard Corridor, we see three primay challenges that must be resolved for the City of Toronto to take full advantage of its waterfront:

### **TRAFFIC VOLUME**

The single, biggest hurdle to bringing the Gardiner Expressway down is the question of what to do with the volume of traffic that currently fills its lanes and those of Lake Shore Boulevard. While we can suggest the possible redistribution of some traffic volume locally, ultimately the critical mass of reduction in vehicular movements in this corridor must be the result of a regional approach to transportation and transit that discourages private vehicle usage in the downtown core and privileges alternative means of transportation.

### **NORTH-SOUTH CROSSINGS**

Everyone knows that Toronto has an amazing amenity in its waterfront. The problem is actually accessing it from the city's existing neighborhoods. At present, it is unclear how one should properly - and safely - navigate from areas like St. Lawrence, the Distillery District, Corktown, or Leslieville down to the waterfront. Clarifying these connections, and demarcating them in such a way that this movement is intuitive is essential to fully capitalizing the waterfront.

### FROM BARRIER TO THRESHOLD

The Gardiner Expressway / Lake Shore Boulevard Corridor is not ever going to fully disappear. We can modify it and mitigate it, but ultimately this line will always be present within the fabric of downtown Toronto. We believe the key is transforming the transect of the roadway from that of a barrier that dissuades movement and occupancy of the waterfront, to an urban threshold that announces the gateway to the overall waterfront district.





NORTH-SOUTH CROSSINGS



## **TORONTO'S GREAT STREET**

The removal of the Gardiner Expressway is major step toward re-connecting the city and neighborhoods of Toronto to the Lakefront. It is a major step toward returning the city to people, to the pedestrian and to civic spaces that citizens are proud of and can relate to in a positive way.

We propose a simple, grand, tree-lined street to replace the Gardiner. Generously sized allees of Oak, Maple, Gingko and Linden line the new 2.5-mile long street, running from Yonge to Leslie Street. Welcoming and safe pedestrian intersections encourage linkage from the neighborhoods to the Lakefront.

### THE TRAFFIC EQUATION: "EXPRESSWAY TO STREET"

Reducing the number of traffic lanes from the existing situation (8 on the Gardiner, plus 6 on Lake Shore Blvd, for a sum of 14, or even 16 with turning and exit lanes) to a sum of 8 street-lanes requires a radical shift in mindset. The new Grand Street is no longer a massive, free-flowing mobility corridor oriented solely to the automobile, but is now a humanized civic street where pedestrians and traffic both work together. The reduction in vehicular capacity is between 35% and 45%, and will obviously need to be accommodated for regionally. This can be achieved by 1) increasing flow off the Don River Parkway at the Bloor Street and Eastern/Richmond exits; 2) improving alternative public transit systems; and 3) spreading the "peak" times. Taking down the Gardiner must be understood as just one movement in the larger symphony of shifting the transportation paradigm of Greater Toronto. Reduced capacity and travel times will be compensated for through the creation of a more pedestrian-friendly, inter-connective, urban civic street that improves the quality of life for residents, enhances property values and allows the city to leverage its biggest asset – the lakefront.





### OVERVIEW OF CORRIDOR SHOWING IMPROVED DEVELOPMENT FRONTAGES

### THE EXPERIENCE OF THE SITUATION TODAY

### Mr. Chakrabarti, Daily Commuter (personal car):

"Driving south along the Don Valley in the morning is frustrating; travel speeds are slow and I feel like all the congestion leads people to drive super aggressively and unsafely."

### Ms. Walker, Cyclist:

"The corridor is definitely more of a barrier than it is an amenity for cyclists. The high levels of congestion and frequent ramps connecting to Lake Shore from the Gardiner and Don Valley make this a place I go out of my way to avoid."

### Mr and Mrs. Hu, Residents:

"The area feels like it has potential to be a great waterfront; the only problems being everything except for the water. We've lived here for 15 years and still have a hard time figuring out how to get down to the Lake safely."



### THE EXPERIENCE OF THE PROPOSED NEW GRAND STREET

Ms. Moddrell, Daily Commuter (personal car): "The trip along Lake Shore Boulevard has certainly become much more enjoyable. My travel time may be a few minutes longer, but the reduced congestion and improved clarity of circulation have made a world of difference."

### Mr. and Mrs. Massoud, Cyclists:

"We don't fear for our lives anymore! The super-wide median with a fully protected bicycle path is a great amenity for cyclists."

### Mr. and Mrs. Lee, Residents:

"The new Lake Shore Boulevard creates a real sense of place. I could never have imagined living around here 10 years ago. The newly designed gateways along the north-south streets make getting down to the water completely intuitive"



## **1) THE GREAT STREET**

Presently, a typical cross section of the Gardiner Expressway/Lake Shore Boulevard corridor is more than 80% asphalt or concrete surfacing and structure for cars, trucks, and buses, with less than 20% devoted to planting, sidewalks and/or the public realm.

The design of the new Great Street revises this ratio, devoting nearly 60% of the corridor to the public realm and/or planting and green-space. Sidewalks are widened from their typical existing 2-4m dimension to a minimum of 6m, allowing for generous shade tree planting, furnishing and signage. Local traffic is separated to the outside from thru traffic at the center, reducing vehicular speeds adjacent to pedestrian zones. An additional buffer between the public realm on the southern edge adjacent to development and the vehicular corridor is established by the 10m wide "Lake Shore Boulevard Promenade" comprising devoted lanes for bicycles and pedestrians, as well as generous areas for planting and furnishing.

The area adjacent to the rail berm on the northern edge of the Boulevard varies in dimension over the length of the corridor. However, where feasible the berm is retrofitted with a sculptural, modular planting system that creates an iconic green wall running from the Don River, west to Yonge Street. This Green Wall is envisaged as a tall constructed escarpment, with woodland lantings, stormwater terraces and vertical gardens. This strip, in combination with the promenade and the tree-planted median further enhances the overall greening of the Lake Shore Boulevard corridor.





### **CONCRETE BARRIER (60M)**



**VEGETATED RIBBON (60M)** 

existing corridor configuration

proposed corridor configuration



NIGHT VIEW OF RECONFIGURED BOULEVARD FROM ELEVATED PEDESTRIAN CROSSING

Today, Lake Shore Boulevard is a confusing ensemble of vehicular signage and over-scaled highway elements with few places to stop, sit and rest. The widening of the public realm and introduction of regularized pedestrian crossings will begin to alleviate much of this cacophony. Importantly, the use of bold paving, iconic tree planting, bespoke furnishing, transit shelters, bicycle racks, trash cans, bollards, lighting fixtures and signage will enhance the legibility and amenity of the corridor for social pedestrian uses.





paving module + detail









### **ILLUSTRATIVE PLAN (EAST)**









PARLIAMENT STREET INTERSECTION AND CROSSING

DON VALLEY PARKWAY INTERSECTION





### 2) N-S NEIGHBOURHOOD **CONNECTIONS**

The Gardiner is not the only barrier to pedestrian movement from the north, south to the waterfront; the GO Transit rail berm is an equally significant obstacle to waterfront access because of its limited number of crossings and their diminutive scale. In order to overcome these barriers to movement - both physical and perceptual - clear articulation of existing crossing points is necessary, as well as the introduction of new typologies of crossing.

We propose that each of the underpasses at Jarvis, Sherbourne, Parliament and Cherry are retrofitted with an architectural sleeve that announces the presence of the public access point; illuminates its volume; and demarcates that particular entry to the Waterfront District. These media sleeves are part of a larger streetscape strategy that extends the paving and furnishing of the Lake Shore Boulevard north into the existing neighborhoods of the City. Paired with a distinct planting regime and a unique urban floor, these north-south thoroughfares are recognized as the gateways from the neighborhoods to the Waterfront.

In addition to the existing crossing points, we also propose the introduction of three new typologies of crossing at strategic points along the length of the corridor. These crossings take the form of architectural objects and include large-scale signage; iconic pedestrian bridges; and at Cherry Street, a new 21st century Ponte Vecchio - a fully programmed mixed-use cultural building that links the Distillery District directly with the Lower Don Lands development.



corridor composition - structures + walls

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TORONTO'S GREAT STREET | The Lake Shore Boulevard Corridor









underpass media sleeves

sculpted vegetal rail berm escarpment





### 2) REALIGNMENT + **ENHANCED FRONTAGE**

While generally the alignment of the proposed Lake Shore Boulevard follows that of the existing Gardiner Expressway, the one location where it has been modified significantly improves the overall development opportunity of the adjacent blocks. Rather than allowing the corridor to cut directly through the development of the Keating Channel Precinct - cutting off development from the water and isolating the portion adjacent to the rail yards - we shift the Lake Shore Boulevard corridor to the northern edge of the precinct adjacent to the line of the rail berm.

This move has two significant results: The first is that the two transportation corridors (rail and vehicular) are aligned and bundled, lessening their impact on adjacent development parcels. The second is that Keating Channel precinct is no longer cut in half by a major vehicular artery, and the entire length of the precinct has frontage on the Keating Channel rather than only 50% allowing for the 18m minimum public right of way to be continued from Downtown all the way to mouth of the Don River. This move dramatically improves the overall development potential of the precinct, and consolidates the buildings into a coherent series of blocks.



eastern lake shore boulevard districts · extend existing neighborhoods to the water

#### **OBSTRUCTED FRONTAGE**









WINTER ACTIVITY ALONG LOCAL STREETS



## **SUBMISSION** BOARDS



## 2) N-S NEIGHBOURHOOD CONNECTIONS ------4





#### 3) REALIGNMENT + ENHANCED FRONTAGE









# **MASTER PLAN** SUMMARY

### **DEVELOPMENT SUMMARY MAP**





#### Innovative Design Competition Master Plan Summary Table

#### TEAM: JAMES CORNER FIELD OPERATIONS

NOTE: This summary table only includes detailed information for those blocks modified within the Keating Channel Precinct. Base information for new blocks outside of the study area are included for reference only. SUMMARY - AREA A (KEATING CHANNEL PRECINCT)

A,	B	C	D	E	F	G	H	ŀ	13
Block Number	Block Description	Block Type	Site Area (Hectares)	Maximum Block Height (m)	Average Block Height (m)	Maximum Building Storeys	Total (GFA m <sup>2</sup> )	Office %	Office (GFA m <sup>2</sup> )
a1	Mixed Use	Ds	0.68	125	45	30	35,550	40%	14,220
a2	Mixed Use	Ds	0.25	40	30	8	10,500	10%	1,050
a3	Mixed Use	Ds	0.39	125	45	- 30	24,000	10%	2,400
a4	Mixed Use	Ds	1.01	125	45	30	75,150	10%	7,515
a5	Mixed Use	Ds	0.63	125	45	30	50,600	10%	5,060
a6	Mixed Use	Ds	0.51	125	45	30	42,000	10%	4,200
a7	Mixed Use	Ds	0.85	125	45	30	40,300	40%	16,120
a8	Mixed Use	Ds	0.71	40	30	8	24,650	10%	2,465
a9	Mixed Use	Ds	0.37	40	30	8	14,700	10%	
a10	Mixed Use	Ds	0.22	40	30	8	9,050	10%	905
a11	Mixed Use	Ds	0.67	40	30	8	23,500	10%	2,350
a12	Mixed Use	Ds	0.69	40	30	8	23,900	10%	2,390
a13	Mixed Use	Ds	0.74	125	45	30	51,860	35%	18,151
a14	Interior Promenade	Pa	0.10		·		1		C
a15	Interior Promenade	Pa	0.28						0
a16	Interior Promenade	Pa	0.30			(-		· · ·	0
a17	Waterfront Promenade	Pa	0.57		1	(°		11	0
a18	Waterfront Promenade	Pa	0.58		1	1		1.	0
			9.55				425,760	(	78,296

#### SUMMARY - AREA B (EAST DON LANDS)

A	B	C	D	E	F	G	н	1	1
Block Number	Block Description	Block Type	Site Area (Hectares)	Maximum Block Height (m)	Average Block Height (m)	Maximum Building Storeys	Total (GFA m²)	Office %	Office (GFA m <sup>2</sup> )
b1	Mixed Use	Ds	1.00	40	30	8	31,000	10%	3,100
b2	Mixed Use	Ds	0.46	125	45	30	25,400	10%	2,540
b3	Mixed Use	Ds	1.14	125	45	30	44,300	10%	4,430
b4	Mixed Use	Ds	1.21	125	45	30	46,500	10%	
b5	Mixed Use	Ds	1.30	125	45	30	51,700	10%	5,170
b6	Mixed Use	Ds	1.06	40	30	8	27,900	10%	2,790
b7	Mixed Use	Ds	1.05	40	30	8	27,700	10%	2,770
b8	Mixed Use	Ds	1.19	40	30	8	34,200	10%	3,420
b9	Mixed Use	Ds	1.10	40	30	8	32,350	10%	3,235
b10	Mixed Use	Ds	0.93	40	30	8	28,000	10%	2,800
b11	Mixed Use	Ds	0.79	40	30	8	22,700	10%	
b12	Mixed Use	Ds	0.69	40	30	8	19,800	10%	1,980
b13	Mixed Use	Ds	0.92	40	30	8	24,200	10%	
b14	Mixed Use	Ds	0.75	40	30	8	16,800	10%	
b15	Mixed Use	Ds	0.52	40	30	8	14,800	10%	
b16	Public Park / Flood Control	Pa/ls	6.80						0
			20,91	hi			447,350	(*	44,735

#### SUMMARY - AREA C (LESLIEVILLE EXTENSION)

A	В	C	D	E	F	G	H	1	3
Block Number	Block Description	Block Type	Site Area (Hectares)	Maximum Block Height (m)	Average Block Height (m)	Maximum Building Storeys	Total (GFA m <sup>2</sup> )	Office %	Office (GFA m <sup>2</sup> )
c1	Residential	Ds	2.17	20	12	5	31,700	0%	0
c2	Residential	Ds	1.92	20	12	5	30,600	0%	0
c3	Residential	Ds	2.49	20	12	5	32,750	0%	0
c4	Residential	Ds	2.71	20	12	5	33,400	0%	0
c5	Residential	Ds	2.66	20	12	5	33,700	0%	0
c6	Residential	Ds	3.12	20	12	5	37,200	0%	0
c7	Residential	Ds	2.86	20	12	5	34,200	0%	0
c8	Mixed Use	Ds	3.15	40	30	8	72,150	10%	7,215
c9	Residential	Ds	1.75	20	12	5	26,500	0%	0
c10	Residential	Ds	1.59	20	12	5	23,600	0%	0
c11	Residential	Ds	1.54	20	12	5	21,500	0%	0
c12	Residential	Ds	1.37	20	12	5	18,800	0%	0
c13	Residential	Ds	1.23	20	12	5	17,000	0%	0
c14	Mixed Use	Ds	1.05	40	30	8	33,400	10%	3,340
			29.61	),			446,500		10,555

К	L	M	Ν	0	Р	Q	R
Retail %	Retail		Residential	Other %	Other	Phase #	Notes
	(GFA m <sup>2</sup> )	%	(GFA m <sup>2</sup> )		(GFA m <sup>2</sup> )		
10%			15,998		,		
10%	1,050	75%				1	
10%	2,400	65%	15,600	15%	3,600	1	
10%	7,515	65%	48,848	15%	11,273	1	
10%	5,060	65%	32,890	15%	7,590	1	
10%	4,200	65%	27,300	15%	6,300	1	
10%	4,030	30%	12,090	20%	8,060	1	
10%	2,465	75%	18,488	5%	1,233	1	
10%	1,470	75%	11,025	5%	735	1	
10%	905	75%	6,788	5%	453	1	
10%	2,350	75%	17,625	5%	1,175	1	
10%	2,390	75%	17,925	5%	1,195	1	
10%	5,186	45%	23,337	10%	5,186	1	
	0		0		0	1	
	0		0		0	1	
	0		0		0	1	
	0		0		0	1	
	0		0		0	1	
	42,576		255,787		49,101		•

K	L	M	Ν	0	P	Q	R
Retail %	Retail (GFA m <sup>2</sup> )	Residential %	Residential (GFA m <sup>2</sup> )	Other %	Other (GFA m <sup>2</sup> )	Phase #	Notes
10%	3,100	65%	20,150	15%	4,650	2	
10%	2,540	65%	16,510	15%	3,810	2	
10%	4,430	65%	28,795	15%	6,645	2	
10%	4,650	65%	30,225	15%	6,975	2	
10%	5,170	65%	33,605	15%	7,755	2	
10%	2,790	65%	18,135	15%	4,185	2	
10%	2,770	65%	18,005	15%	4,155	2	
10%	3,420	65%	22,230	15%	5,130	2	
10%	3,235	65%	21,028	15%	4,853	2	
10%	2,800	65%	18,200	15%	4,200	2	
10%	2,270	65%	14,755	15%	3,405	2	
10%	1,980	65%	12,870	15%	2,970	2	
10%	2,420	65%	15,730	15%	3,630	2	
10%	1,680	65%	10,920	15%	2,520	2	
10%	1,480	65%	9,620	15%	2,220	2	
	0		0		0	2	
	44,735		290,778		67,103		

к	1	М	N	0	P	Q	R
Retail %	Retail	Residential	Residential	Other %			Notes
	(GFA m <sup>2</sup> )	%	(GFA m <sup>2</sup> )		(GFA m <sup>2</sup> )		
	(,		,,		(,		
5%	1,585	90%	28,530	5%	1,585	3	
5%	1,530	90%	27,540	5%	1,530	3	
5%	1,638	90%	29,475	5%	1,638	3	
5%			30,060	5%	1,670	3	
5%		90%	30,330	5%	1,685	3	
5%	1,860	90%	33,480	5%	1,860	3	
5%	1,710	90%	30,780	5%	1,710	3	
10%			50,505	10%	7,215	3	
5%	1,325	90%	23,850	5%	1,325	3	
5%	1,180	90%	21,240	5%	1,180	3	
5%	1,075	90%	19,350	5%	1,075	3	
5%	940	90%	16,920	5%	940	3	
5%	850	90%	15,300	5%	850	3	
5%	1,670	70%	23,380	10%	3,340	3	
	25,933		380,740		27,603		

TORONTO'S GREAT STREET | The Lake Shore Boulevard Corridor

### SUMMARY - AREA D (WEST PORT LANDS)

A	B	C	D	E	F	G	н	1 ·····	J
Block Number	Block Description	Block Type	Site Area (Hectares)	Maximum Block Height (m)	Average Block Height (m)	Maximum Building Storeys	Total (GFA m <sup>2</sup> )	Office %	Office (GFA m <sup>2</sup> )
d1	Mixed Use	Ds	1.10	40	30	8	31,700	10%	3,170
d2	Mixed Use	Ds	1.03	40	30	8	31,200	10%	3,120
d3	Mixed Use	Ds	1.03	40	30	8	31,500	10%	3,150
d4	Mixed Use	Ds	1.06	40		8	30,600	10%	3,060
d5	Mixed Use	Ds	1.00	40	30	8	29,100	10%	2,910
d6	Mixed Use	Ds	0.90	40	30	8	26,500	10%	2,650
d7	Mixed Use	Ds	0.80	40	30	.8	24,100	10%	2,410
d8	Mixed Use	Ds	1.13	40	30	8	38,000	10%	3,800
d9	Mixed Use	Ds	1.28	40	30	8	42,700	10%	4,270
d10	Mixed Use	Ds	1.22	40	30	8	40,900	10%	4,090
d11	Mixed Use	Ds	1.05	40	30	8	32,900	10%	3,290
d12	Mixed Use	Ds	1.02	40	30	8	31,100	10%	3,110
d13	Mixed Use	Ds	1.08	40	- 30	8	32,700	10%	3,270
d14	Mixed Use	Ds	1.08	40	30	8	32,500	10%	3,250
d15	Mixed Use	Ds	1.02	40	30	8	30,700	10%	3,070
d16	Mixed Use	Ds	0.92	40	30	8	27,800	10%	2,780
d17	Mixed Use	Ds	0,83	40	30	8	24,900	10%	2,490
d18	Mixed Use	Ds	1.16	40			38,000	10%	3,800
d19	Mixed Use	Ds	1.33	40	30	8	42,800	10%	4,280
d20	Mixed Use	Ds	1.26	40		8	40,850	10%	4,085
			21.30				660,550		66,055

#### SUMMARY - AREA E (EAST PORT LANDS)

A	8	C	D	Ē	F	G	н	1	1
Block Number	Block Description	Block Type	Site Area (Hectares)		Average Block Height (m)	Maximum Building Storeys	Total (GFA m <sup>2</sup> )	Office %	Office (GFA m <sup>2</sup> )
e1	Mixed Use	Ds	2.60	40	20	8	47,800	10%	4,780
e2	Mixed Use	Ds	2.77	40	20	8	49,200	10%	4,920
e3	Mixed Use	Ds	3.44	40	20	8	60,100	10%	6,010
e4	Mixed Use	Ds	2.20	40	20	8	41,900	10%	4,190
e5	Mixed Use	Ds	2.10	40	20	8	40,700	10%	4,070
e6	Mixed Use	Ds	2.39	40	20	8	44,500	10%	4,450
e7	Mixed Use	Ds	2.46	40	20	8	45,000	10%	
e8	Mixed Use	Ds	2.37	40	20	8	44,300	10%	
e9	Mixed Use	Ds	2.21	40	20	8	56,700	10%	5,670
			22.54	1			430,200		43,020

### PHASES

A	B
Description	Phase Number
Keating Channel Precinct	1
East Don Lands + West Port Lands	2
East Port Lands + Leslieville Extension	3
	-

Auto-Calculation

ĸ	L	M	N	0	P	a	R
Retail %	Retail (GFA m <sup>2</sup> )	Residential %	Residential (GFA m <sup>2</sup> )	Other %	Other (GFA m²)	Phase #	Notes
10%	3,170	65%	20,605	15%	4,755	2	1
10%	3,120	65%	20,280	15%	4,680	2	
10%	3,150	65%	20,475	15%	4,725	2	
10%	3,060	65%	19,890	15%	4,590	2	
10%	2,910	65%	18,915	15%	4,365	2	
10%	2,650	65%	17,225	15%	3,975	2	
10%	2,410	65%	15,665	15%	3,615	2	
10%	3,800	65%	24,700	15%	5,700	2	
10%	4,270	65%	27,755	15%	6,405	2	
10%	4,090	65%	26,585	15%	6,135		
10%	3,290	65%	21,385	15%	4,935	2	
10%	3,110	65%	20,215	15%	4,665	2	
10%	3,270	65%	21,255	15%	4,905	2	
10%	3,250	65%	21,125	15%	4,875	2	
10%	3,070	65%	19,955	15%	4,605	2	
10%	2,780	65%	18,070	15%	4,170	2	
10%	2,490	65%	16,185	15%	3,735	2	
10%	3,800	65%	24,700	15%	5,700	2	
10%	4,280	65%	27,820	15%	6,420	2	1 g 100
10%	4,085	65%	26,553	15%	6,128	2	
	66,055		429,358		99,083		

К	L	M	N	0	P	Q	R
Retail %	Retail (GFA m <sup>2</sup> )	Residential %	Residential (GFA m <sup>2</sup> )	Other %	Other (GFA m <sup>2</sup> )	Phase #	Notes
10%	4,780	65%	31,070	15%	7,170	3	F
10%	4,920	65%	31,980	15%	7,380	3	
10%	6,010	65%	39,065	15%	9,015	3	-
10%	4,190	65%	27,235	15%	6,285	3	
10%	4,070	65%	26,455	15%	6,105	3	
10%	4,450	65%	28,925	15%	6,675	3	
10%	4,500	65%	29,250	15%	6,750	3	
10%	4,430	65%	28,795	15%	6,645	3	
10%	5,670	65%	36,855	15%	8,505	3	
	43,020		279,630		64,530		

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