June 10, 2015

1611-1625 ECKINGTON PLACE + 1500 HARRY THOMAS WAY, NE WASHINGTON DC 20002 PUD APPLICATION



FLOWER CENTER
1611-1625 ECKINGTON PLACE, NE

SQUARE: 3576 LOT: 0805 (2001-2008)

STATE FARM

1500 HARRY THOMAS WAY, NE SQUARE: 3576 LOTS: 0814

OWNER/APPLICANT:

JBG/Boundary 1500 Harry Thomas Way, LLC JBG/Boundary Eckington Place, LLC Joint Ventures between

The Boundary Companies
The JBG Companies

LAND USE COUNSEL:

Goulston & Storrs PC

ARCHITECT:

Eric Colbert & Associates

LANDSCAPE ARCHITECT:

LandDesign

CIVIL ENGINEER:

Bowman Consulting

TRAFFIC CONSULTANT:

Gorove/Slade Associates

LEED CONSULTANT:

Sustainable Design Consulting

ZONING COMMISSION

<u>A1</u>	SITE OVERVIEW	<u>A3</u>	FLOOR PLANS	<u>L1</u>	LANDSCAPE STREET LEVEL PLANS
A1.01	SHEET INDEX	A3.01	B-2 LEVEL (FLOWER CENTER)	L1.0	CONCEPTUAL SITE PLAN
A1.02	CONSOLIDATED PUD CHECKLIST	A3.02	BLANK	L1.1	WOONERF ENLARGEMENT
A1.03	ZONING ANALYSIS	A3.03	B-1 LEVEL (FLOWER CENTER)	L1.2	PLAZA ENLARGEMENT
A1.04	ZONING / DEVELOPMENT DATA	A3.04	B-1 LEVEL (STATE FARM)	L1.3	RESIDENTIAL MEWS ENLARGEMENT
A1.05	PROJECT DESCRIPTION	A3.05	FIRST FLOOR PLAN (FC)	L1.4	STREETSCAPE SECTIONS
A1.06	LOCATION MAPS	A3.06	FIRST FLOOR PLAN (SF)		
A1.07	CONTEXT PHOTOGRAPHS (FC)	A3.07	SECOND FLOOR PLAN (FC)	<u>L2</u>	ROOF + COURTYARD PLANS
A1.08	CONTEXT PHOTOGRAPHS (SF)	A3.08	SECOND FLOOR PLAN (SF)	L2.0	CONCEPTUAL ROOFTOP PLAN
A1.09	BLOCK CIRCULATION PLANS	A3.09	THIRD FLOOR PLAN (FC)	L2.1	ZENITH TERRACE ENLARGEMENT
A1.10	SITE CIRCULATION PLANS	A3.10	THIRD FLOOR PLAN (SF)	L2.2	PRIVATE TERRACE ENLARGEMENT
A1.11	LEED SCORECARD + WATER COMPS.	A3.11	TYPICAL (4-6) FLOOR PLAN (FC)		AND SUN DECK ENLARGEMENT
A1.12	VEHICLE MANEUVERING	A3.12	TYPICAL (4-6) FLOOR PLAN (SF)	L2.3	SEVENTH FLOOR SKYPARK ENLARGEMENT
A1.13	VIEW DIAGRAMS	A3.13	SEVENTH FLOOR PLAN (FC)	L2.4	AIRWALK ENLARGEMENT
A1.14	ARCHITECTURAL PRECEDENTS	A3.14	SEVENTH FLOOR PLAN (SF)	L2.5	RESIDENTIAL COURTYARDS ENLARGEMENT
		A3.15	EIGHTH - TENTH FLOOR PLAN (FC)		
4.0	CONCERT OVERVIEW	A3.16	ROOF PLAN (SF)		
<u>A2</u>	CONCEPT OVERVIEW	A3.17	OVERALL GROUND FLOOR DIAGRAM	CO	CIVIL ENGINEERING
A2.01	RENDERINGS (FLOWER CENTER)	A3.18	OVERALL ROOF PLAN	C0.01	COVER SHEET
A2.02	RENDERINGS (STATE FARM)			CO.02	GENERAL NOTES
A2.03	RENDERINGS (FLOWER CENTER)			00.02	GENERAL NOTES
A2.04	RENDERINGS (STATE FARM)	<u>A4</u>	BUILDING MATERIALS	<u>C1</u>	CIVIL DESIGN
A2.05	RENDERINGS (FLOWER CENTER)	A4.01	FACADE MATERIALS (ECKINGTON PLACE)	C1.01	FC   EXISTING CONDITIONS PLAN
A2.06	RENDERINGS (STATE FARM)	A4.02	FACADE MATERIALS (HARRY THOMAS)	C1.02	SF   EXISTING CONDITIONS PLAN
A2.07	AERIAL MASSING (FC)	A4.03	FACADE MATERIALS (PEDESTRIAN ALLEY)	C1.03	FC   EROSION AND SEDIMENT CONTROL PLAN
A2.08	AERIAL MASSING (SF)	A4.04	FACADE MATERIALS (PEDESTRIAN ALLEY)	C1.04	SF   EROSION AND SEDIMENT CONTROL PLAN
A2.09	AERIAL MASSING (FC)	A4.05	FACADE DETAILS (ECKINGTON PLACE)	C1.05	FC   SITE PLAN
A2.10	AERIAL MASSING (SF)	A4.06	FACADE DETAILS (ECKINGTON PLACE)	C1.06	SF   SITE PLAN
A2.11	SITE SECTIONS	A4.07	FACADE DETAILS (PEDESTRIAN ALLEY)	C1.07	FC   GRADING PLAN
A2.12	SITE SECTIONS	A4.08	FACADE DETAILS (PEDESTRIAN ALLEY)	C1.08	SF   GRADING PLAN
A2.13-20	SCHEMATIC ELEVATIONS	A4.09	FACADE DETAILS (PEDESTRIAN ALLEY)	C1.09	FC   UTILITY PLAN
A2.21	BUILDING SECTIONS (FC)	A4.10	FACADE DETAILS (PEDESTRIAN ALLEY)	C1.10	SF   UTILITY PLAN
A2.22	BUILDING SECTIONS (SF)				- [ -
A2.23	BUILDING SECTIONS (FC)			<u>C5</u>	EROSION AND SEDIMENT CONTROL
A2.24	BUILDING SECTIONS (SF)			C5.01	EROSION AND SEDIMENT CONTROL NOTES
				C5.02	EROSION AND SEDIMENT CONTROL DETAILS
				<u>C7</u>	STORM WATER MANAGEMENT
				C7.01	FC   STORM WATER MANAGEMENT
				C7.02	SF   STORM WATER MANAGEMENT

#### Consolidated PUD Checklist (2406.11-2406.12)

SQUARE: 3576	LOTS: 0805 (2001-2008), 0814	
SECTION	ITEM	SHEET NUMBER
2406.11a	COMPLETED APPLICATION FORM	IN WRITTEN APPLICATION
2406.11b	<b>ZONING PLAN:</b> A map showing the location of the proposed project, the existing zoning for the subject site, the zoning of adjacent properties, and any proposed change of zoning.	A1.03 - A1.06
2406.11c	<b>STATEMENT OF PURPOSE:</b> A statement of the purposes and objectives of the project, including the proposed form of development and a detailed statement elucidating how the application meets the PUD evaluation standards in section 2403.	IN WRITTEN APPLICATION
2406.11D	<b>SITE PLAN:</b> A general site, landscape, and development plan indicating the proposed use, location, dimensions, number of stories, and height of each building, and the exact area of the total site.	L1.0/C1.05-6
2406.11e	DEVELOPMENT DATA: (1) The area and dimensions of each lot proposed for each building and the exact area of the total site; area of the total site;	A1.04
	(2) The percentage of lot occupancy of each building on each lot and the total percentage of lot occupancy for all buildings on the entire site;	A1.04
	(3) The gross floor area and floor area ratio for each building on each lot, including a break-down for each use, and the total gross floor area and floor area ratio for all buildings on the entire site, including a breakdown for each use;	A1.04
	(4) A circulation plan, including the location of all vehicular and pedestrian access ways and the location and number of all off-street parking spaces and loading berths, including an indication of which spaces are designated for which use;	A1.09-10
	(5) The existing topography of the development area; the location of all major natural features, including trees of six-inch (6 in.) caliper or greater; and the location and elevations of public or private streets, alley, or easements bounding or traversing the site, including an indication of which of the rights-of-way or easements are to be continued, relocated, or abandoned;	C1.01-C1.02 / A1.05
	(6) Estimated quantities of potable water required by the project, and of sanitary sewage and storm water to be generated including the methods of calculating those quantities;	C1.05-6
	(7) Any other information needed to understand the unique character and problems of developing the PUD.	A1.03-A1.04

2406.12a	COMPLETED APPLICATION FORM	IN WRITTEN APPLICATION
2406.12b	A detailed statement as to the uses to be located in the project, including the location, number, size, and types of stores, offices, residential, institutional, industrial, and other uses;	IN WRITTEN APPLICATION
2406.12c	<b>SITE PLAN:</b> A detailed site plan, showing the location and external dimensions of all buildings and structures, utilities and other easements, walkways, driveways, plazas, arcades, and any other open	C1.03 / A3.05-06
2406.12d	LANDSCAPE & GRADING PLAN: A detailed landscaping and grading plan, showing all existing contour lines, including graphic illustration of grades exceeding fifteen percent (15%) in five percent (5%) increments, landscaping to be retained, grades, planting, and landscaping. The plan shall also show the proposed drainage for the site, including the location of buildings, roads, sidewalks, water and sewer lines, inlets, and basins, and connections to public water and sewer lines. Proposed erosion control measures shall also be shown;	L1.0 - L1.3 / C1.05-06
2406.12e	<b>FLOOR PLANS:</b> Typical floor plans and architectural elevations for each building, sections for each building and the project as a whole, and sections and elevations of the entire square within which the project is located;	A3.01 through A3.18
2406.12f	CIRCULATION PLAN: A final detailed circulation plan showing all driveways and walkways, including widths, grades, and curb cuts, as well as detailed parking and loading plans;	A1.09-10
2406.12g	<b>OTHER INFORMATION:</b> Any other information needed to understand the final design of the proposal, or information specifically requested by the Commission;	LEED A1.11
2406.12h	A statement showing how the second-stage plans are in accordance with the intent and purposes of this title, the PUD process, and the first-stage approval.	IN WRITTEN APPLICATION; FIRST STAGE ACCORDANCE NOT RELEVANT AS THIS IS A CONSOLIDATED PUD APPLICATION

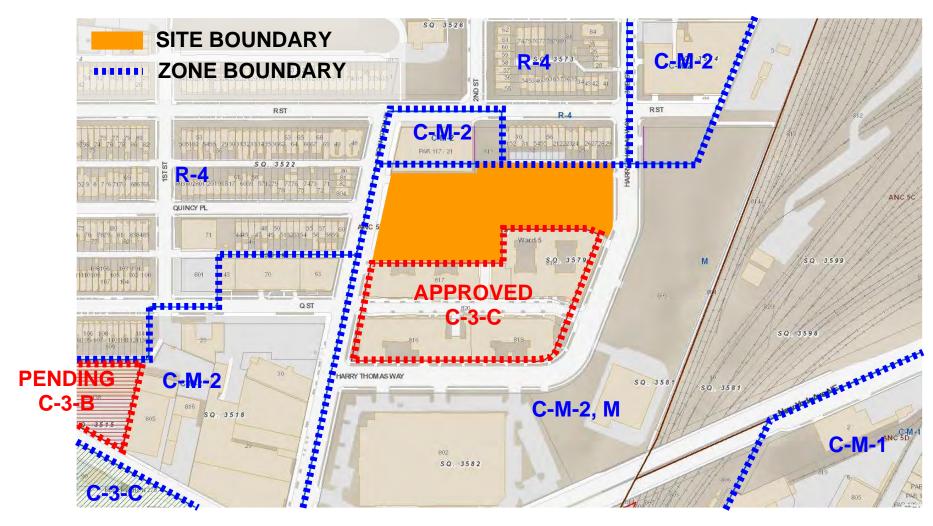
CONSOLIDATED PUD CHECKLIST

# **ZONING ANALYSIS**

		ZONING RELIEF REQUIRED
	Zoning Restriction	Proposed
Penthouse, Number of DCMR 11, 411.3	One permitted	Multiple proposed
Maximum Lot Occupancy DCMR 11, 2405.4 & 634.1	75% + 5% IZ = 80%	83.1%
Minimum Closed Court DCMR 11, 638.2(a)	Minimum width = 4" per foot of height and 15' minimum. 75' high court requires 25'-0" width.  Minimum area = Twice the square of the required width.  2*(25' x 25') = 2*625 s.f. = 1,250 s.f minimum area	Proposed closed courts are as follows: 6'-0" wide by 24'-6" long (147 s.f.) 12'-10" wide by 64'-9" long (832 s.f.) 17'-0" wide by 246'-2" long (4,184 s.f.)
Penthouse, All the Same Height DCMR 11, 411.5	One height permitted	Two heights proposed: 12' and 20'-0"

		COMPLIES W/ ZONING
	Zoning Restriction	Proposed
Maximum Building Height DCMR 11, 2405.1	110'	110'
Maximum FAR DCMR 11, 2405.2	8.0	4.97
Parking, Compact DCMR 11, 2515.2	40% maximum compact spaces	98 compact / 292 total = 33%
Bicycle parking DCMR 11, 2119.1	One bicycle parking space / 3 dwelling units; $691 \div 3 = 230$	230 provided, plus additional as required for LEED FTE requirements. Temporary bike spaces will be provided on the exterior of the project in public space, as approved by DDOT.
Penthouse FAR DCMR 11, 411.7	Maximum 0.37 FAR permitted	Less than approx. 0.1 FAR provided
Required Public Space at Ground Level (CR) DCMR 11, 633	Required public space at ground level shall be provided that meets minimum 10% of total lot area, and is located immediately adjacent to main entrance, street and pedestrian right-of-way. It shall be open to the sky, suitably lighted, and open and availble to the general public on a continuous basis.	Public space is provided in accordance with Section 633: The proposed pedestrian alley and plaza are 21,400 s.f. which is >10% of the total site area.
Minimum Rear Yard DCMR 11, 636.5	For a through lot, there is no rear yard requirment.	Through lot
Minimum Side Yard, if Provided DCMR 11, 637.2	Not required, but if provided: Minimum width = 3" per foot of height and 8' minimum	None provided
Minimum Open Court DCMR 11, 638.1(a)	Minimum width = 3" per foot of height and 10' minimum 78.5' high court requires 19'-7" min. width	30'-0" minimum at pedestrian alley
Court Niche DCMR 11, 638.5 & 638.6	Width/depth no less than 2/1; 3' depth rule	None proposed
Minimum Parking DCMR 11, Chapter 21	For apartment house, 1 for each 3 dwelling units (691/3 = 230). For retail or service establishment in excess of 3,000s.f., 1 for each additional 750 s.f. of gross floor area: (49,500-3,000 = 46,500 / 750 = 62);  Total required = 230 + 62 = 292	292 spaces provided (Parking Ratio = 0.42) Note: Since self-storage area is below grade, it does not generate gross floor area and has no parking requirement under Chapter 21.
Minimum Loading DCMR 11, Chapter 22	For apartment house, 1 loading berth @55' deep and 1 service/delivery space @20' deep.  For retail and service, 1 loading berth @ 30' deep and 1 loading berth @ 55' deep and 1 service/delivery space @20' deep	Complies
Loading Platform DCMR 11, Chapter 22	For apartment house, 1 loading platform @ 200 s.f  For retail and service, 1 loading platform at 100 s.f. and 1 loading platform at 200 s.f.	Complies
Green Area Ratio	Minimum 0.2 GAR	Greater than 0.2 GAR provided
Penthouse, Setback	1:1 setback ratio required	1:1 setback provided

### **ZONING MAP**

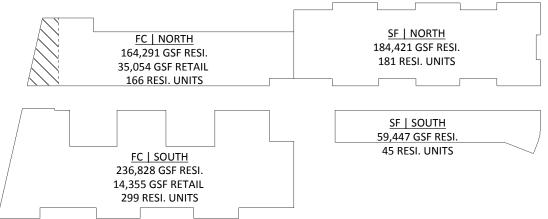


### UNIT COUNTS

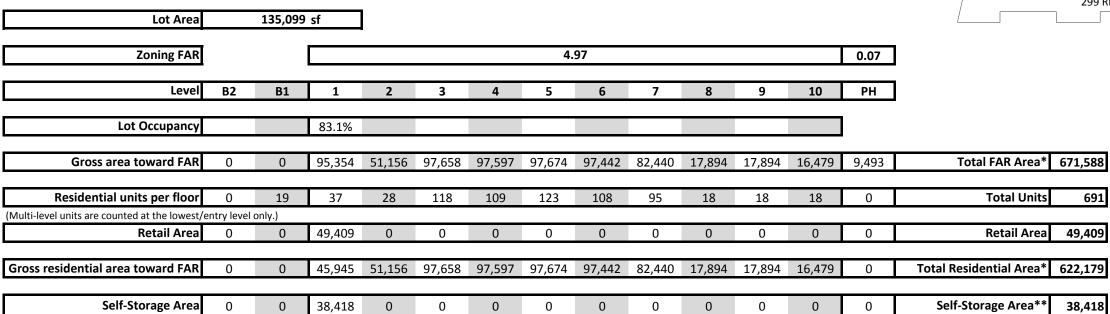
	STUDIO	1-BR JR	1BR	2BR 1-BA	2BR 2-BA	3BR 2-BA	MULTILEVEL	TOTAL
B-1 Level	0	0	1	0	0	0	18	19
1st Floor	0	2	5	0	1	1	28	37
2nd Floor	4	3	12	3	5	1	0	28
3rd Floor	9	22	38	19	12	3	15	118
4th Floor	9	24	39	21	14	2	0	109
5th Floor	9	24	40	20	13	2	15	123
6th Floor	9	24	40	20	12	3	0	108
7th Floor	9	26	31	16	10	3	0	95
8th Floor	0	1	7	4	4	2	0	18
9th Floor	0	0	8	4	4	2	0	18
10th Floor	0	0	8	4	4	2	0	18
PH	0	0	0	0	0	0	0	0
TOTAL	49	126	229	111	79	21	76	691
% of Total	7%	18%	33%	16%	11%	3%	11%	

Note: Multi-level units are counted at the lowest/entry level only. (These units have 2 or 3 bedrooms.)

### AREA BREAKDOWN



## **DEVELOPMENT DATA**



<sup>\*</sup> above ground not including PH

### **BUILDING HEIGHTS**

• FC | NORTH: 110' TOP OF ROOF

10 STORIES ABOVE GRADE

2 STORIES BELOW GRADE

(SHADED AREA = 75' TOP OF ROOF, 7 STORIES)

• FC | SOUTH: 75' TOP OF ROOF

7 STORIES ABOVE GRADE 2 STORIES BELOW GRADE

• <u>SF | NORTH</u>: 75' TOP OF ROOF 7 STORIES ABOVE GRADE

1 STORY BELOW GRADE

• <u>SF | SOUTH</u>: 75' TOP OF ROOF 7 STORIES ABOVE GRADE

1 STORY BELOW GRADE

**ZONING & DEVELOPMENT DATA** 

<sup>\*\*</sup>below ground area not included in FAR Area

### AERIAL LOOKING NORTH



### AERIAL LOOKING SOUTH



#### PROJECT DESCRIPTION

As a guiding principle we strove to design a project that fits comfortably into the immediate site and its surrounding neighborhood. Historically, train yards with supporting industrial warehouse structures were situated on this property. Existing adjacent conditions include the old Sanitary Grocery Company warehouse to the north which has windowless walls facing us. On the east side of our north property line there is a 20' public alley then yards leading to the backs of townhomes and newer condominiums that front on R Street NE. Our south property line abuts the existing Trilogy residential development with a combination of mostly blank walls containing a few non-essential windows. There are some north facing courts abutting this property line. To our east is Harry Thomas Way with the PEPCO property across the street which could potentially become a public park. An important bicycle trail abuts the east side of this property. There are blocks of attractive old well-maintained residential townhomes to the west.

Our design goals include the extension of Quincy Place through our site which will function in a way that allows some vehicular circulation but is essentially pedestrian oriented. We refer to the private alley as a "woonerf". Prototypes for our woonerf include Cady's Alley in Georgetown and Hoffman's Union Row. From a massing perspective we propose to locate our highest structure to the south of the existing warehouse. Innovative "maker" type manufacturing and retail uses are to be located on our ground floor along the west half of the woonerf. Blank walls along the north and south property lines must be recognized when laying out the apartment blocks. Existing north facing courts on the north side of the Trilogy complex can be mirrored on our property.

Aesthetically our façades strive to capture the feeling of the industrial architecture that was present on the site and still visible along the nearby railroad tracks. Our goal has been to employ façade elements that are a modern abstracted version of the historic aesthetic. Due to the size of the project we have created a variety of façade expressions which strive to break down the scale of the building and create hierarchy. These varied façade groupings help to alleviate the horizontality of the development.

Specific design strategies include creating upper floor setbacks along Eckington Place forming a smooth transition to the row dwellings across the street. A central courtyard punctuates the middle of the woonerf. The south side of this pedestrian alley have several setback courts above the retail level to create openness and assure abundant sunlight along the woonerf. Discouraging significant vehicular use of the woonerf will be achieved through the implementation of a narrow wandering path for cars. There will be no curbs to encourage pedestrian use of the entire alley. Unlike the majority of current residential developments in DC we want to include a significant percentage of larger, two-story dwellings to encourage occupancy by families.

Our design goals include incorporating as many sustainable elements as possible. The current layout has been developed to comply with DC's "Green Area Ratio" which mandates significant roof planting areas. Storm water management is another element of design that we will implement as the plans evolve. The choice of façade and other building materials will be made with the issue of sustainability in mind.

In addition to having an aesthetically pleasing project we need to assure that the design achieves excellent functionality. Internal circulation must be provided to gain easy access to parking and loading. Vehicular and truck circulation around the site must be arranged to minimize conflict with pedestrians. Adequate light and air must be provided for all dwelling units



# LOCATION MAPS



















# FLOWER CENTER | CONTEXT PHOTOGRAPHS









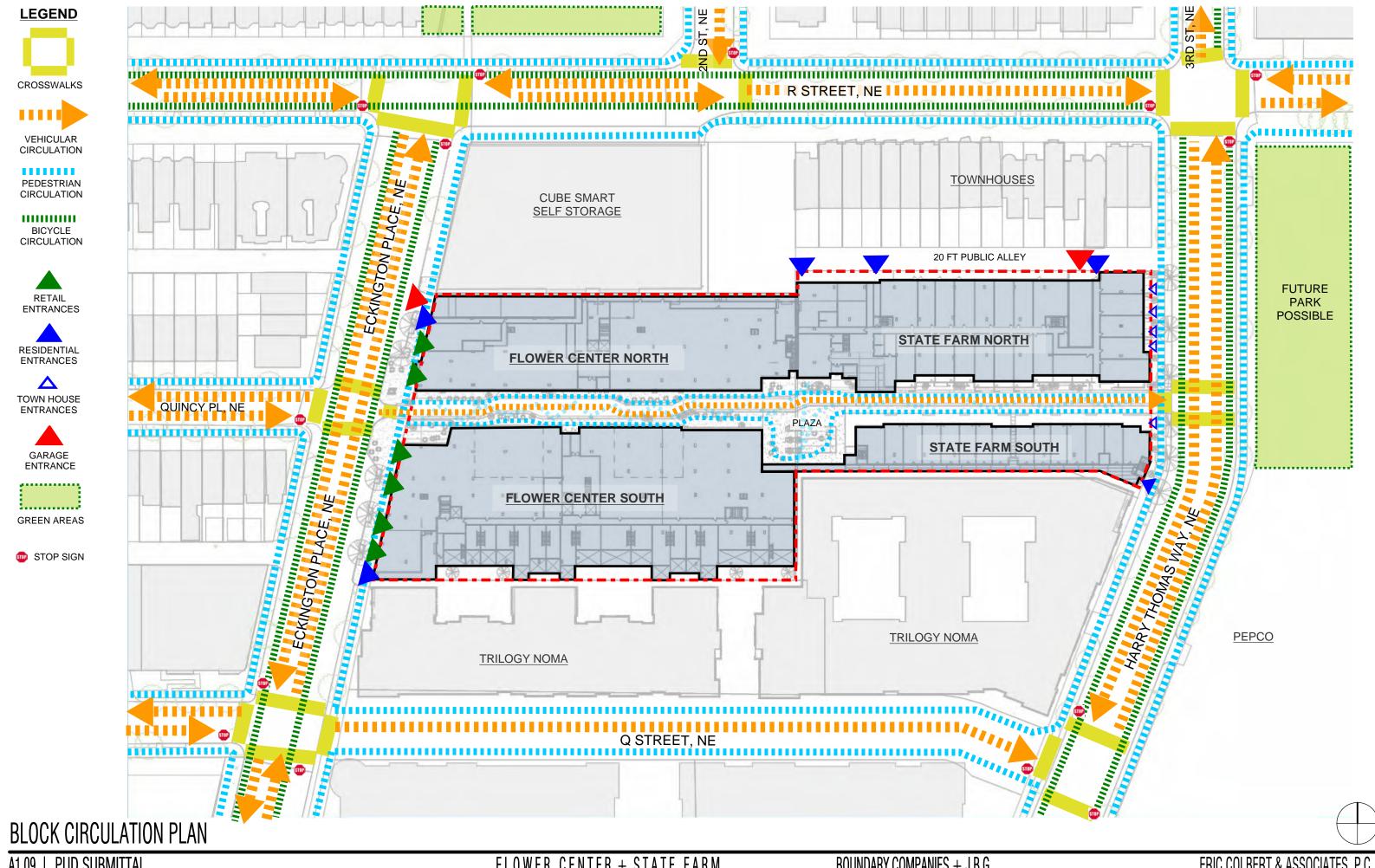


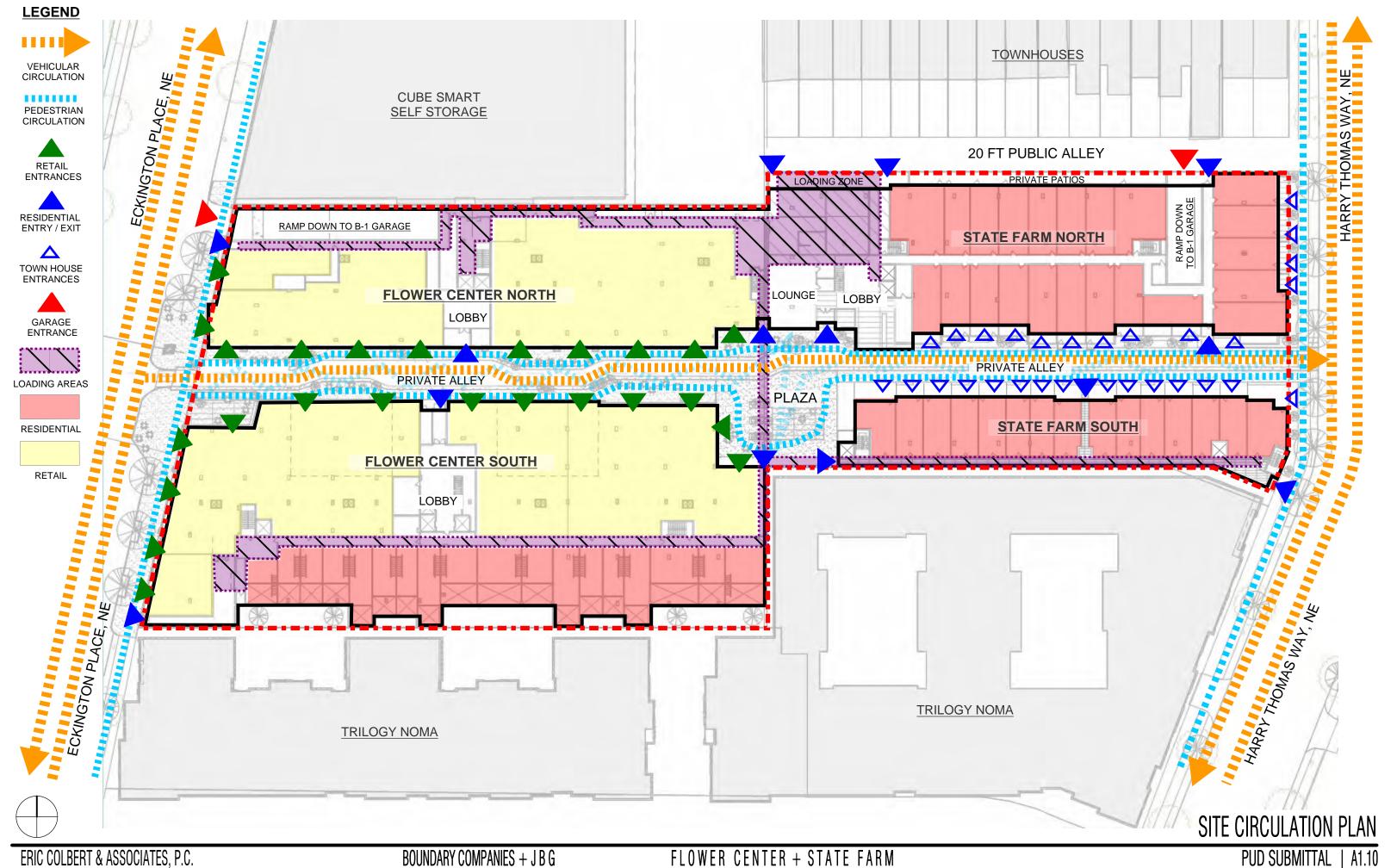






STATE FARM | CONTEXT PHOTOGRAPHS





### LEED SCORECARD

#### **LEED® 2009 for New Construction and Major Renovation**

Preliminary Project Checklist



#### **The Flower Center and State Farm Projects**

Eric Colbert & Associates

6/3/15

Y				PIF 1	Certification Agreement & Project Info Forms							0/3/13	3
19	4	1	2	Susta	ainable Sites Possible	e Points 26					Materi	als & Resources, Cont.	
Y	?Y	?N	N				Υ	?Y	?N	N	_	·	
Υ				Prereq 1	Construction Activity Pollution Prevention		1	1			Credit 4	Recycled Content: 10%/ 20%	2
1				Credit 1	Site Selection	1	1	1			Credit 5	Regional Materials: 10%/ 20%	2
5				Credit 2	<b>Development Density &amp; Community Connectivity</b>	5				1	Credit 6	Rapidly Renewable Materials: 2.5%	1
		1		Credit 3	Brownfield Redevelopment	1				1	Credit 7	Certified Wood: 50%	1
6				Credit 4.1	Alt. Transportation: Public Transportation Access	6							
	1			Credit 4.2	Alt. Transportation: Bicycle Storage & Changing Room	ns <b>1</b>	7	2	3	3	Indoor	r Environmental Quality Possible Points	s <b>15</b>
3				Credit 4.3	Alt. Transportation: Low Emitting & Fuel Efficient Vehice	cles 3	Υ	?Y	?N	N			
	2			Credit 4.4	Alt. Transportation: Parking Capacity	2	Y				Prereq 1	Minimum IAQ Performance	
			1	Credit 5.1	Site Development: Protect or Restore Habitat	1	Y				Prereq 2	Environmental Tobacco Smoke (ETS) Control	
1				Credit 5.2	Site Development: Maximize Open Space	1			1		Credit 1	Outdoor Air Delivery Monitoring	1
1				Credit 6.1	Stormwater Design: Quantity Control	1			1		Credit 2	Increased Ventilation: 30%	1
	1			Credit 6.2	Stormwater Design: Quality Control	1	1				Credit 3.1	Construction IAQ Management Plan: During Construction	1
1				Credit 7.1	Heat Island Effect: Non-Roof	1				1	Credit 3.2	Construction IAQ Management Plan: Before Occupancy	1
1				Credit 7.2	Heat Island Effect: Roof	1	1				Credit 4.1	Low-Emit'g. Materials: Adhesives, Sealants	1
			1	Credit 8	Light Pollution Reduction	1	1				Credit 4.2	Low-Emit'g. Materials: Paints	1
							1				Credit 4.3	Low-Emit'g. Materials: Flooring Systems	1
4	2	1	3	Wate	r Efficiency Possible	e Points i <b>lable</b>			1		Credit 4.4	Low-Emit'g. Materials: Composite Wd./Agrifiber	1
Υ	?Y	?N	N							1	Credit 5	Indoor Chemical & Pollutant Source Control	1
Y				Prereq 1	Water Use Reduction: 20% Reduction		1				Credit 6.1	Controllability of Systems: Lighting	1
2	2			Credit 1	Water Efficient Landscaping	4	1				Credit 6.2	Controllability of Systems: Thermal Comfort	1
			2	Credit 2	Innovative Wastewater Technologies	2	1				Credit 7.1	Thermal Comfort: Design	_ 1
2		1	1	Credit 3	Water Use Reduction: 30%/ 35%/ 40%	4				1	Credit 7.2	Thermal Comfort: Verification (not avail. to Residential projects)	1
								1			Credit 8.1	Daylight & Views: Daylight 75% of Spaces	1
7	2	4	22	Ener	gy & Atmosphere Possible	Points <b>35</b>		1			Credit 8.2	Daylight & Views: Views for 90% of Spaces	1
Υ	?Y		N										
Υ				Prereq 1	Fundamental Commissioning, Bldg. Energy Systems	S	6				Innova	ation & Design Process Possible Points	s <b>6</b>
Υ				Prereq 2	Minimum Energy Performance		Υ	?Y	?N	N	1		
Υ			/////	Prereq 3	Fundamental Refrigerant Management		1				Credit 1.1	Exemp. Performance SSc4.1 Public Transport.	1
2	2	2		Credit 1	Optimize Energy Performance: 12%+	19	1				Credit 1.2	Exemp. Performance SSc5.2 Open Space	1
				Credit 2	On-Site Renewable Energy: 1%-13%	7	1				Credit 1.3	Exemp. Performance SSc7.1 Avoid Heat Island Effect	1
		2		Credit 3	Enhanced Commissioning	2	1				Credit 1.4	TBD, Exemplary SSc4.1, Low-Merc. Lamping	1
2				Credit 4	Enhanced Refrigerant Management	2	1				Credit 1.5	TBD: suggest Low Emitting Walls, Insulation, Clgs.	1
1				Credit 5	Measurement & Verification (1 pt.: ES Portfolio Mgr.		1				Credit 2	LEED Accredited Professional	1
2				Credit 6	Green Power	2				_			
4	•		0	Moto	viola 9 Basaurasa	Doints 44	2	677			Regioi	nal Priority Credits Possible Points	S <b>4</b>
4	2			wate	rials & Resources Possible	Points 14	Y	?Y	?N	N	l	CO-C 4 CW Overtity control	
Y			N /////		Stayona & Callagtian of Bassalahlas		1			4	Credit 1.1	,	1
Y			/////	Prereq 1	Storage & Collection of Recyclables	loof o	4			1	Credit 1.2	, 3	1
				Credit 1.1	<u> </u>		1			4	Credit 1.3	,	1
				Credit 1.2	•					ı	Credit 1.4	WEc2, EAc2 (1%)	1
2			_	Credit 2	Construction Waste Management: 50%/ 75%	2	40	10	<u> </u>	40	Total	Danible Daint	
			2	Credit 3	Materials Reuse: 5%/ 10%	2		12			Total	Possible Points	S ###
							Certif	iea 4	υ το 49	point	s SIIV <b>e</b> I	r 50 to 59 points Gold 60 to 79 points Platinum 80 to 110 points	

### WATER COMPUTATIONS

		San	itary				Domestic			
Type of Fixture	Quantity			Each	Each		Total	Total	Total	Total
Type of Fixture	Quantity	Each	Total	CW	HW	Total	CW	HW	Combined	Combined
		DFU	DFU	SFU	SFU	SFU	SFU	SFU	SFU	GPM
Group (Tank) (1.6 gpf)	886	5	4430	2.7	1.5	3.6	2392.2	1329	3189.6	231
WC Tank (Private)		3		2.2		2.2				
WC Tank (Public)		4		5		5				
Group (Greater than 1.6 gpf)		6		6	3	8				
WC FV (Private)		4		6		6				
WC FV (Public)	7	6	42	10		10	70		70	35
Public UR (FV) (1 gpf or less)		2		5		5				
Public Lavatory	7	1	7	1.5	1.5	2	10.5	10.5	14	17
Public Lavatory/Bidet		1		0.5	0.5	0.7				
Public Bathtub		2		3	3	4				
Private Bathtub		2		1	1	1.4	13.5	13.5	18	
Public Shower	2	2		3	3	4				
Private Shower	187	2	30	1	1	1.4 3 3				
Mop Basin	6	5 5		2.25 2.25	2.25 2.25					6.5
Service Sink										
Public kitchen Sink	4	2	8	3	3	4	12	12	16	12.8
Private Kitchen Sin W/ DW	699	2	1398	1	1	2.8	699	699	1957.2	179
Drinking Fountain	8	0.5		0.25		0.25				
Washing Machine (Public)		3		3	3	4				
Washing Machine (Private)	699	2	1398	1	1	1.4	699	699	978.6	106
3" Floor Drain	12	5	60							
4" Floor Drain	8	6	48							
3"/4" FD (emerg)										
Bar Sink		2		1.5	1.5	2				
	Sub-Tot	Sub-Total (DFU):		Sub-Tota		als (SFU):	3896.2	2763	6243.4	390
Additional Sanitary			Enter	Ada	litional Dom	estic	CW	HW		Enter
Drainage Demands:			Total	W	ater Deman	ds:	GPM	GPM		Total
			DFU				269	219	1	GMP
HVAC				Hose Bibbs						15
Kitchen	$\neg$			HVAC						24
Laundry				Kitchen						
Pool / Fountain	$\neg$			Laundry						
				Pool / Four	tain					
				Irrigation						20
	Tot	tal (DFU):	7421		To	tal (SFU):	5599.2	4416	9227.2	449

- Notes:

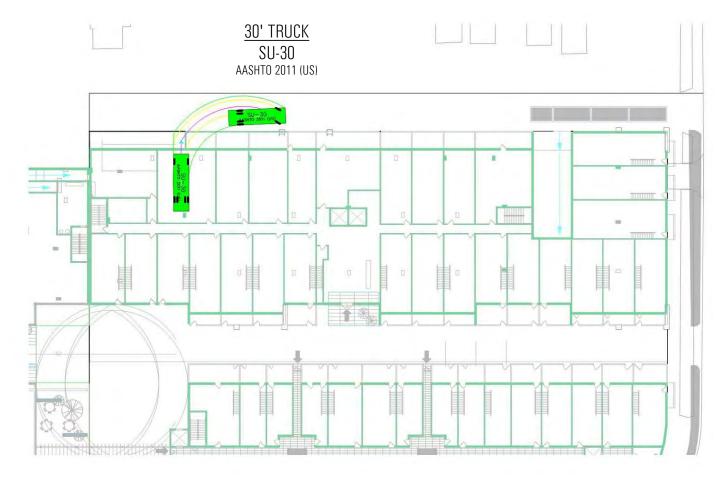
  1. Supply fixture unit (SFU) value based on the 2012 International Plumbing Code table E101B

  2. Drainage fixture unit (DFU) value based on the 2012 International Plumbing Code table 709.1

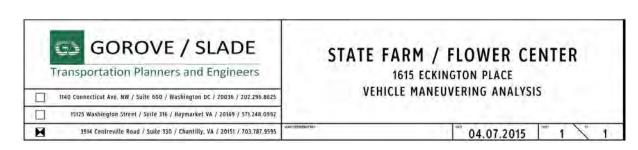
  3. Additional demands for HVAC make-up, pool, fountain, laundry, food service, etc.

  4. Add 5 GPM for each hose bibb up to a maximum of 15 GPM

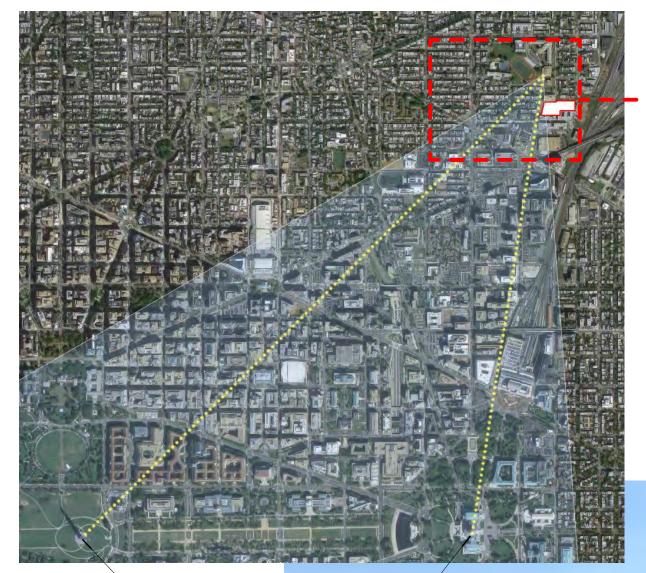


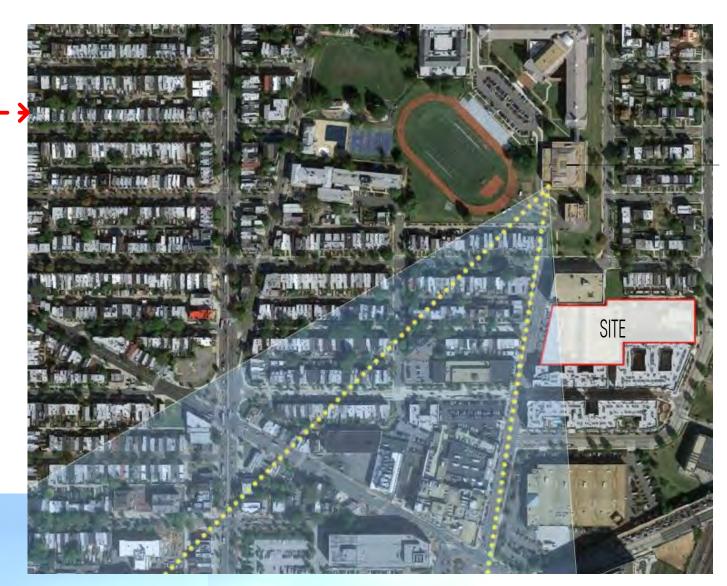


STATE FARM NORTH BUILDING



VEHICLE MANEUVERING ANALYSIS



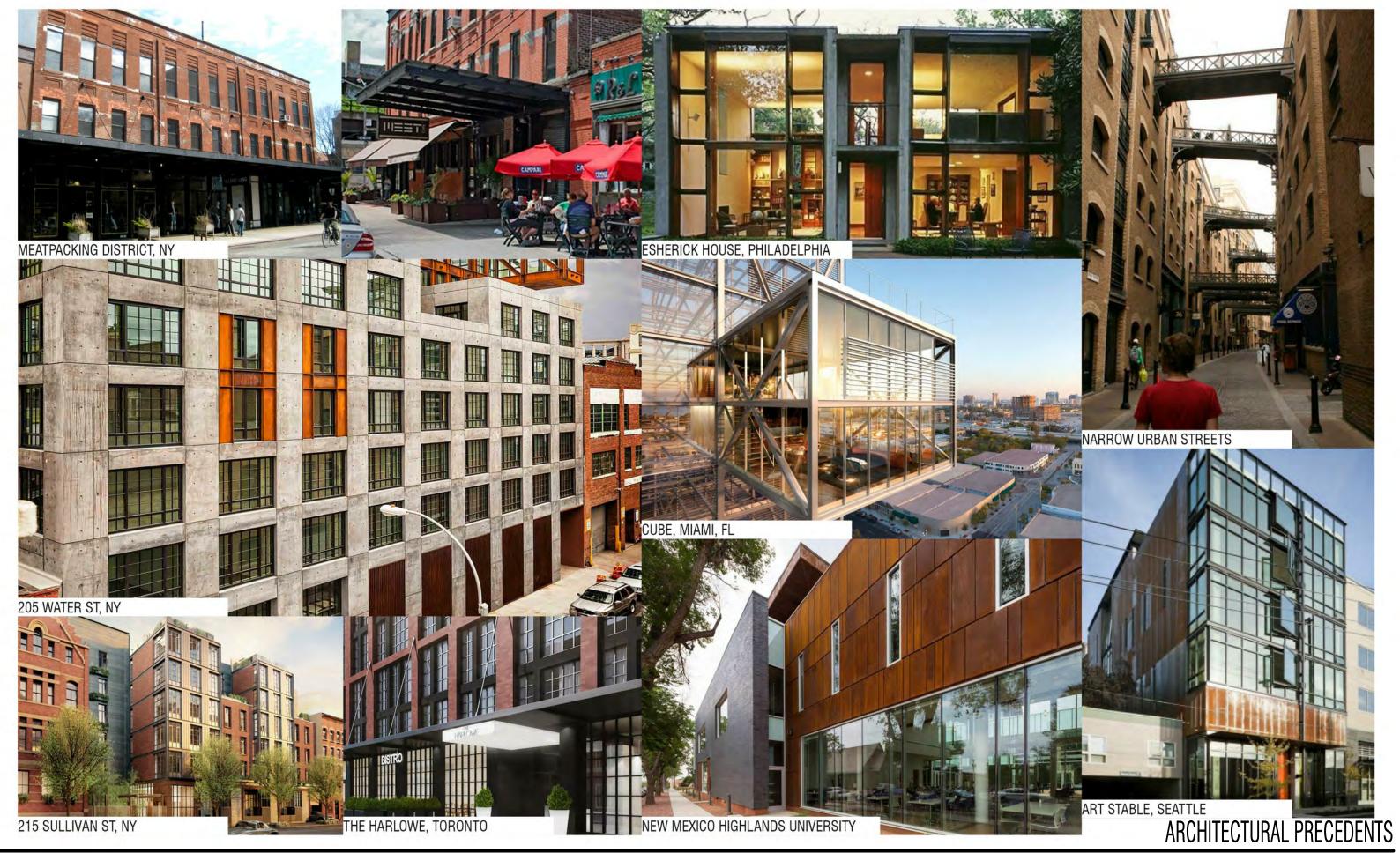


McKINLEY TECH

WASHINGTON MONUMENT



VIEW DIAGRAMS FROM McKINLEY TECH





FLOWER CENTER | PERSPECTIVE @ ECKINGTON PLACE, NE





FLOWER CENTER | STREET VIEW @ ECKINGTON PLACE, NE

