

# VAN NESS ELEMENTARY SCHOOL

DISTRICT OF COLUMBIA

DEPARTMENT OF GENERAL SERVICES

SIT MEETING  
JANUARY 7, 2015



ABOUT US

LIFE LONG LEARNING ACROSS MULTIPLE DISCIPLINES



K-12



LIBRARIES



HIGHER EDUCATION



CULTURAL





## ABOUT US

### PRESERVING AND PROMOTING OUR CULTURAL HERITAGE



**We are dedicated to enriching the cultural heritage of the neighborhoods and communities in which we work, and to advancing sustainable design.”**





APPROACH TO THE DESIGN OF LEARNING ENVIRONMENTS  
FROM VALUES TO DESIGN SOLUTIONS



VALUES



STANDARDS



CURRICULUM



SKILLS



USERS



MODES OF  
LEARNING



TECHNOLOGY &  
FURNISHINGS





# APPROACH TO THE DESIGN OF LEARNING ENVIRONMENTS

## VAN NESS ELEMENTARY SCHOOL SHOULD PROMOTE A CULTURE OF

- HIGH PERFORMANCE
- LEARNING
- INQUIRY AND DISCOVERY
- INCLUSION AND BELONGING
- COLLABORATION AND COMMUNICATION
- STEWARDSHIP





APPROACH TO THE DESIGN OF LEARNING ENVIRONMENTS

GROWTH OF THE WHOLE CHILD

VAN NESS E.S. SHOULD PROMOTE PERSONAL GROWTH AND A SENSE OF IDENTITY WITHIN THESE CONTEXTS





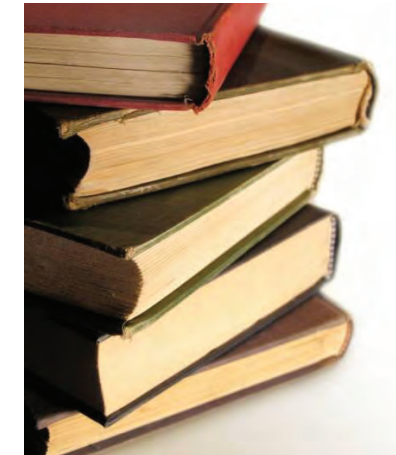
# EDUCATION AND PEDAGOGY

## ARTS INTEGRATION PRINCIPLES

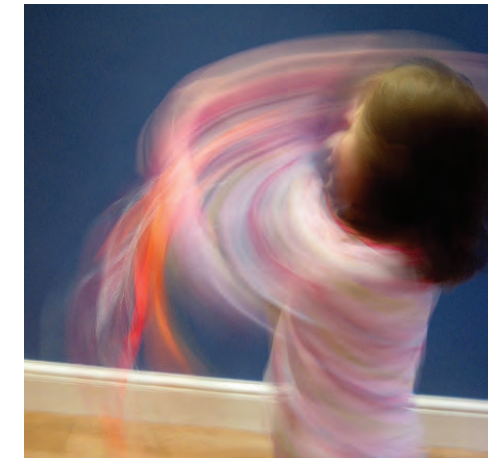
- Promote the artistic activities of creating, performing, responding, and connecting.
- Create spaces which spur creativity and imaginative thinking.
- Partner science and technology with the arts to promote the shared concepts of innovation and problem-solving.
- The architecture should support performance as a vehicle for personal growth and cultural and individual expression.
- Allow for informal performance spaces which reflect alternate theater structures - i.e. theater in the round, thrust stage.
- Express the variety of dance movements through a variety of spaces and volumes - e.g. straight, diagonal, multi-level.
- Create spaces which allow students to feel a sense of ownership and provide creative input.
- Provide acoustically appropriate spaces for music education.



### LITERARY ARTS



### PERFORMING ARTS



### VISUAL ARTS



Proposed graphics for Ludlow Taylor ES





PLACEMAKING  
WAYFINDING AND IDENTITY GRAPHICS



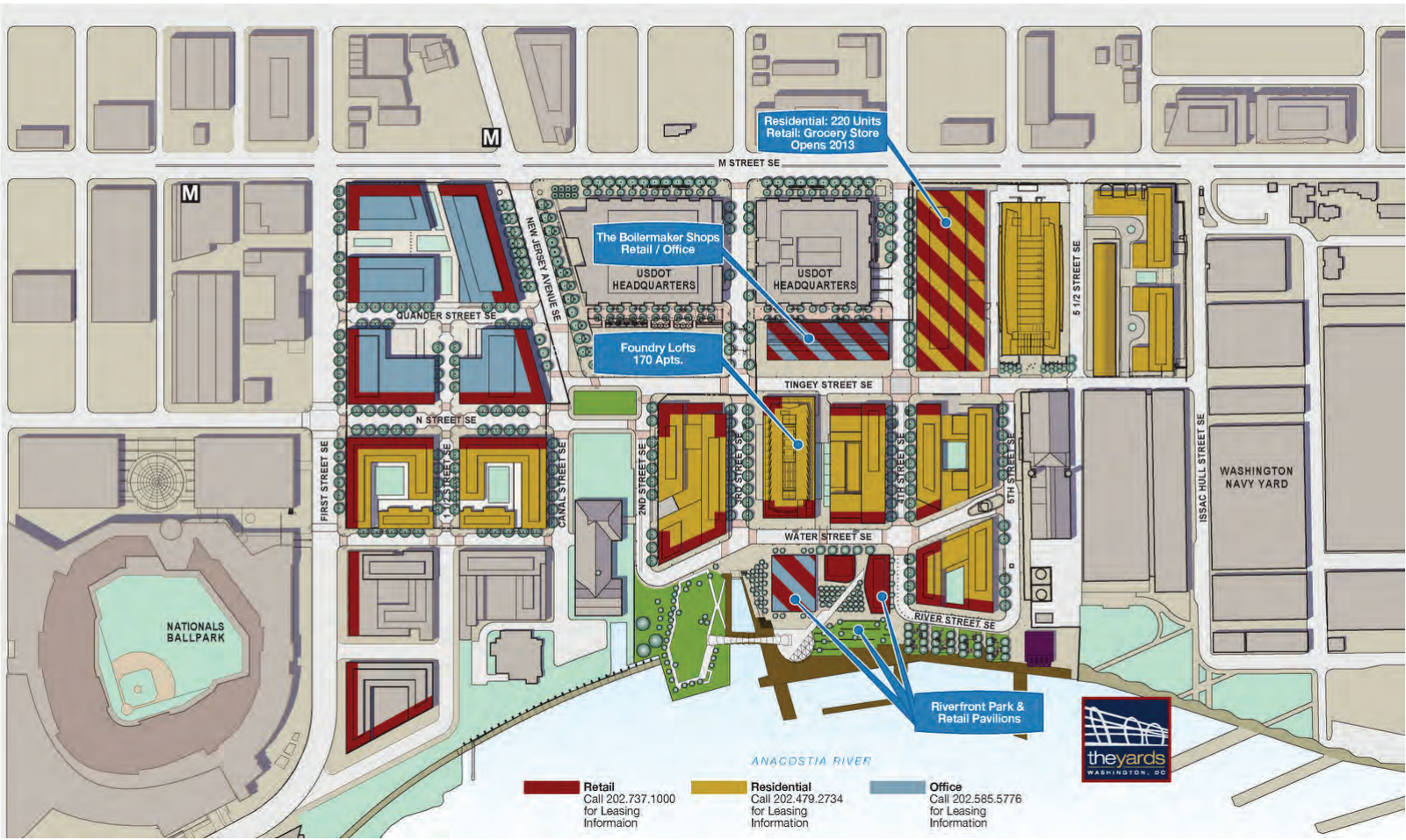


**DESIGN PRINCIPLES**



DESIGN PRINCIPLES

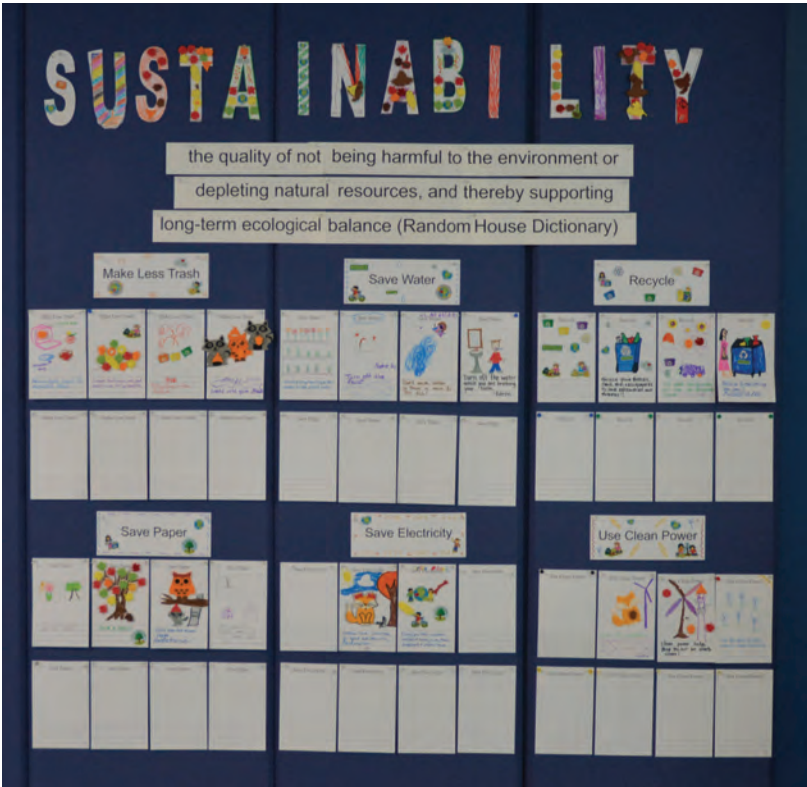
COMMUNITY PLACEMAKING – VAN NESS IS THE HEART OF AN EMERGING WATERFRONT COMMUNITY





DESIGN PRINCIPLES

PROMOTE SUSTAINABILITY AS A SHARED VALUE FOR THE COMMUNITY AND THE SCHOOL





DESIGN PRINCIPLES

CREATE EXCEPTIONAL LEARNING ENVIRONMENTS



District of Columbia Public Schools  
Van Ness Elementary School





## DESIGN PRINCIPLES

### LEARNING ENVIRONMENTS PROMOTE EXPLORATION AND DISCOVERY





## DESIGN PRINCIPLES

### PROVIDE LANDSCAPE ENVIRONMENTS WHICH SUPPORT OUTDOOR TEACHING AND LEARNING





## DESIGN PRINCIPLES

**CREATE AN ARRIVAL EXPERIENCE THAT SETS THE TONE FOR A DAY OF LEARNING**





## DESIGN PRINCIPLES

### CREATE A WELCOMING AND SECURE ENTRY





*DESIGN PRINCIPLES*  
**IMPROVE BUILDING CIRCULATION**





OPPORTUNITIES AT VAN NESS E.S.



SUSTAINABILITY

LEED V3 Checklist



LEED 2009 for Schools New Construction and Major Renovations

Van Ness Elementary School

Project Checklist

168

Sustainable Sites

Possible Points: 24

Y	?	N			
Y			Prereq 1	Construction Activity Pollution Prevention	
Y			Prereq 2	Environmental Site Assessment	
1			Credit 1	Site Selection	1
4			Credit 2	Development Density and Community Connectivity	4
	1		Credit 3	Brownfield Redevelopment	1
4			Credit 4.1	Alternative Transportation—Public Transportation Access	4
	1		Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
	2		Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	2
2			Credit 4.4	Alternative Transportation—Parking Capacity	2
	1		Credit 5.1	Site Development—Protect or Restore Habitat	1
	1		Credit 5.2	Site Development—Maximize Open Space	1
1			Credit 6.1	Stormwater Design—Quantity Control	1
1			Credit 6.2	Stormwater Design—Quality Control	1
	1		Credit 7.1	Heat Island Effect—Non-roof	1
1			Credit 7.2	Heat Island Effect—Roof	1
1			Credit 8	Light Pollution Reduction	1
1			Credit 9	Site Master Plan	1
	1		Credit 10	Joint Use of Facilities	1

74

Water Efficiency

Possible Points: 11

Y	?	N			
Y			Prereq 1	Water Use Reduction—20% Reduction	
2	2		Credit 1	Water Efficient Landscaping	2 to 4
2			Credit 2	Innovative Wastewater Technologies	2
2	2		Credit 3	Water Use Reduction	2 to 4
1			Credit 3	Process Water Use Reduction	1

1518

Energy and Atmosphere

Possible Points: 33

732

Materials and Resources

Possible Points: 13

Materials and Resources, Continued

Y	?	N			
		1	Credit 3	Materials Reuse	1 to 2
2			Credit 4	Recycled Content	1 to 2
1	1		Credit 5	Regional Materials	1 to 2
	1		Credit 6	Rapidly Renewable Materials	1
1			Credit 7	Certified Wood	1

143

Indoor Environmental Quality

Possible Points: 19

6

Innovation and Design Process

Possible Points: 6

31

Regional Priority Credits

Possible Points: 4

68372

Total

Possible Points: 110

Certified 40 to 49 points

Silver 50 to 59 points

Gold 60 to 79 points

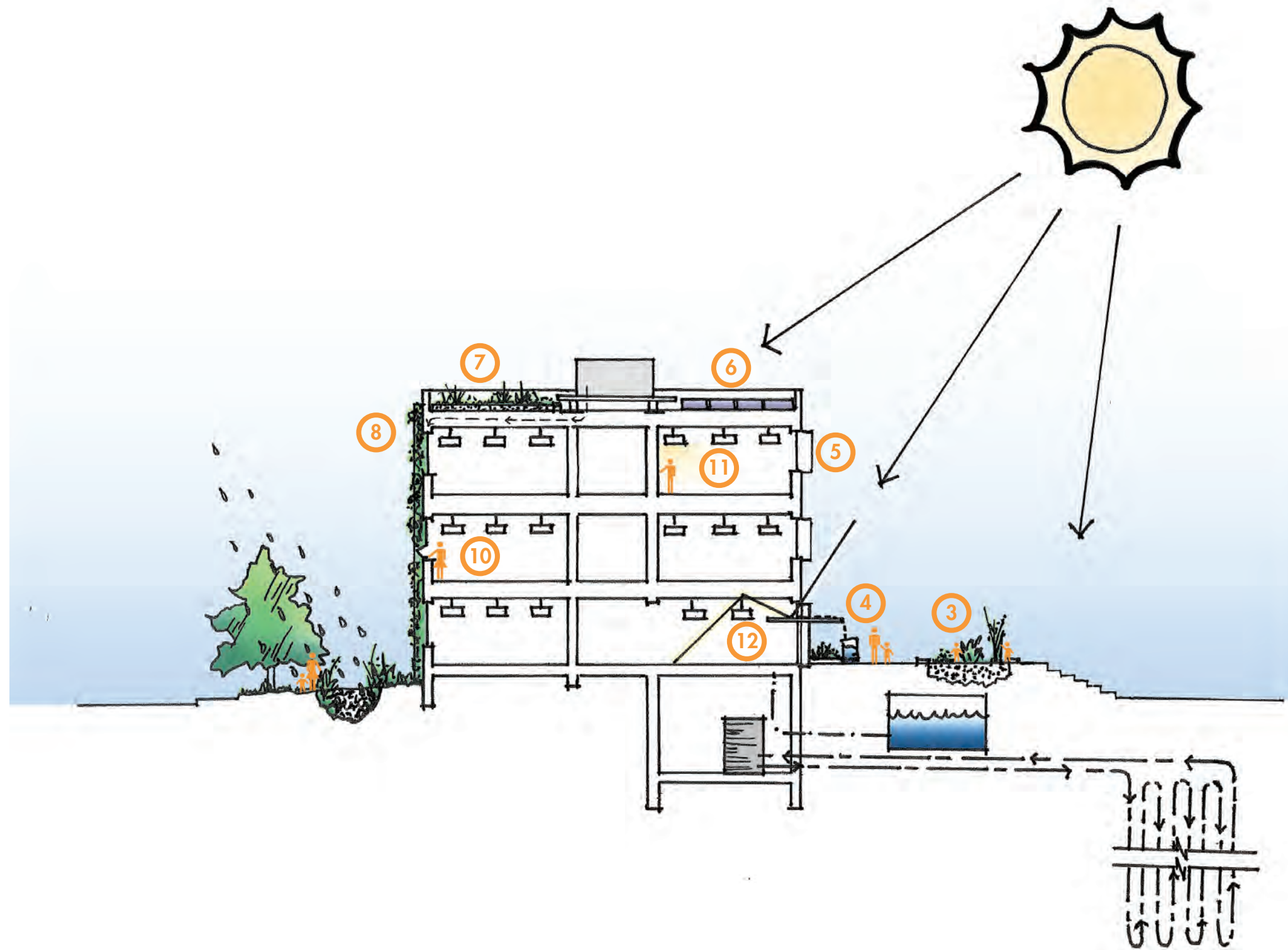
Platinum 80 to 110





# SUSTAINABILITY

## Sustainable Strategies Section



1. GROUND SOURCE HEAT PUMP
2. UNDERGROUND STORMWATER STORAGE / CISTERN
3. COMMUNITY GARDEN
4. ABOVE GROUND CISTERN
5. SUN SHADING - FINS AND OVERHANGS
6. PHOTOVOLTAICS AND SOLAR THERMAL PANELS
7. GREEN ROOF
8. LIVING WALL AND CONDENSATE HARVESTING
9. RAIN WATER / DRY CREEK BED
10. OPERABLE WINDOWS AND THERMAL CONTROLS
11. FLEXIBLE LIGHTING CONTROLS
12. LIGHT SHELF





OPPORTUNITIES

SCHOOL AS HEART OF COMMUNITY AND A CENTER OF CHILD’S EARLY WORLD





OPPORTUNITIES

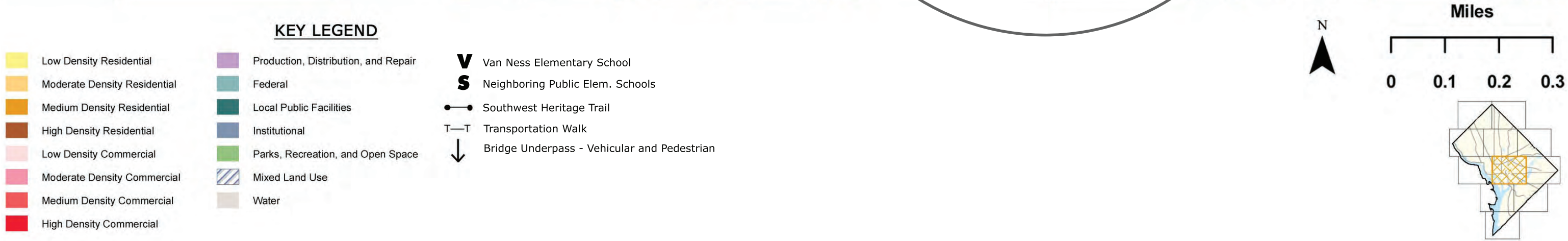
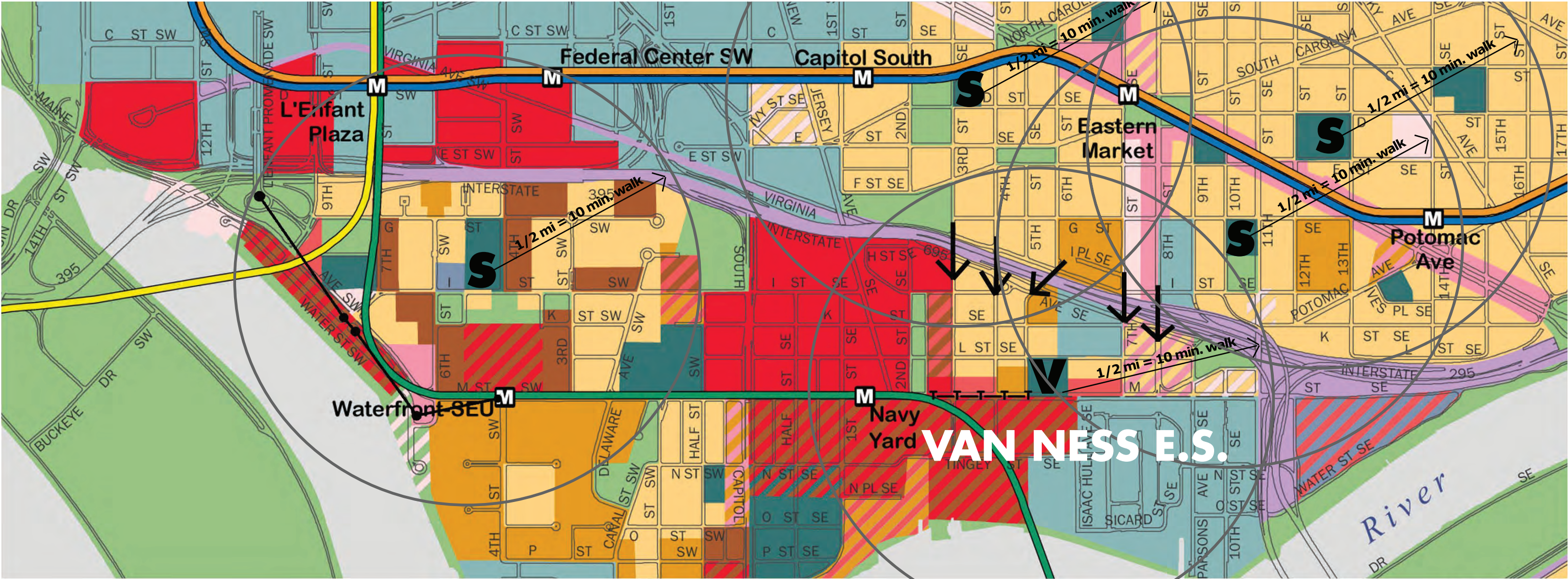
EXPEDITIONARY AND EXPLORATORY - SCHOOL AS A HOME BASE FOR EXPLORATION OF THE LARGER WORLD





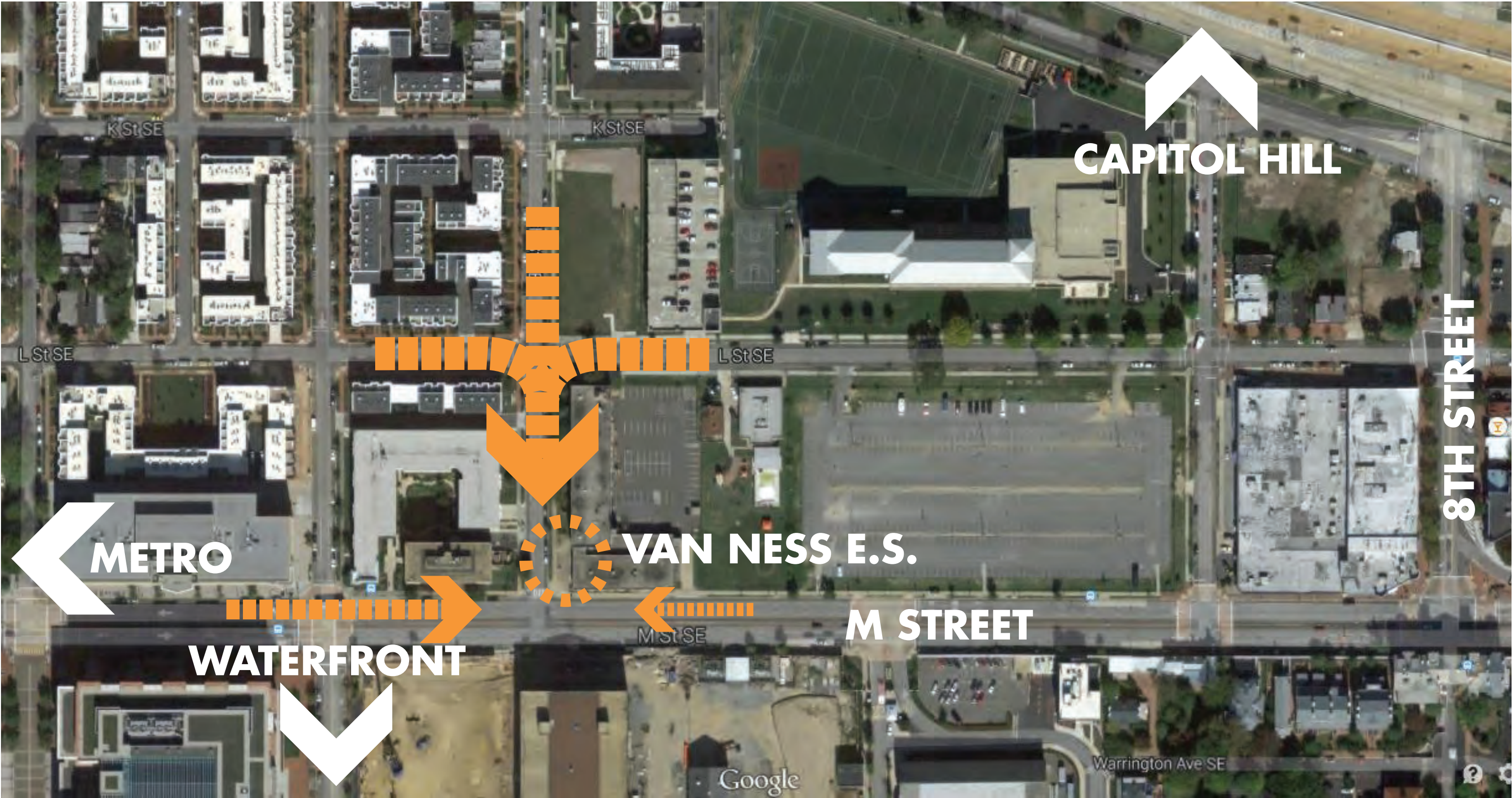
SITE ANALYSIS

DCPS SCHOOLS



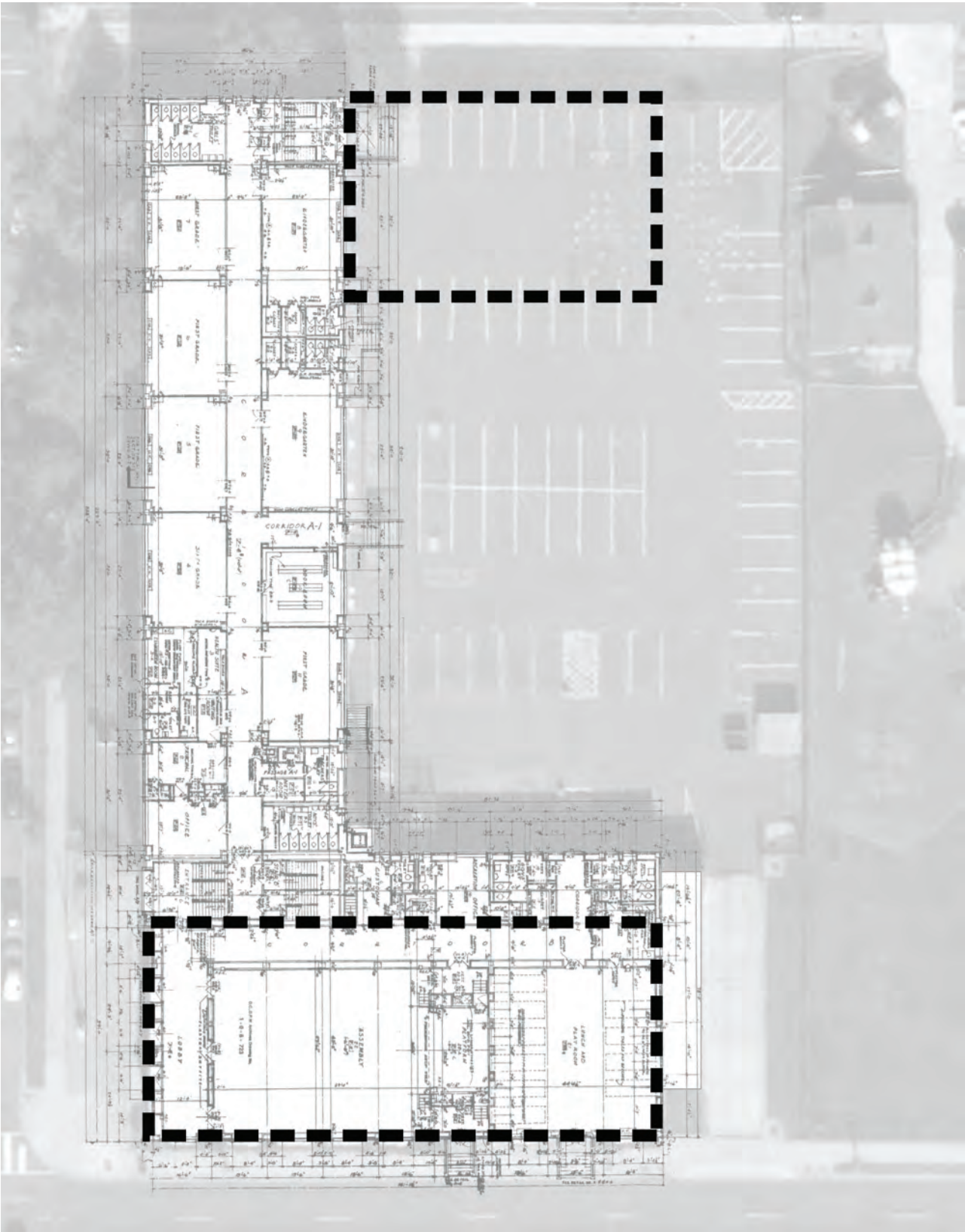


BUILDING CONCEPTS  
ENTRY



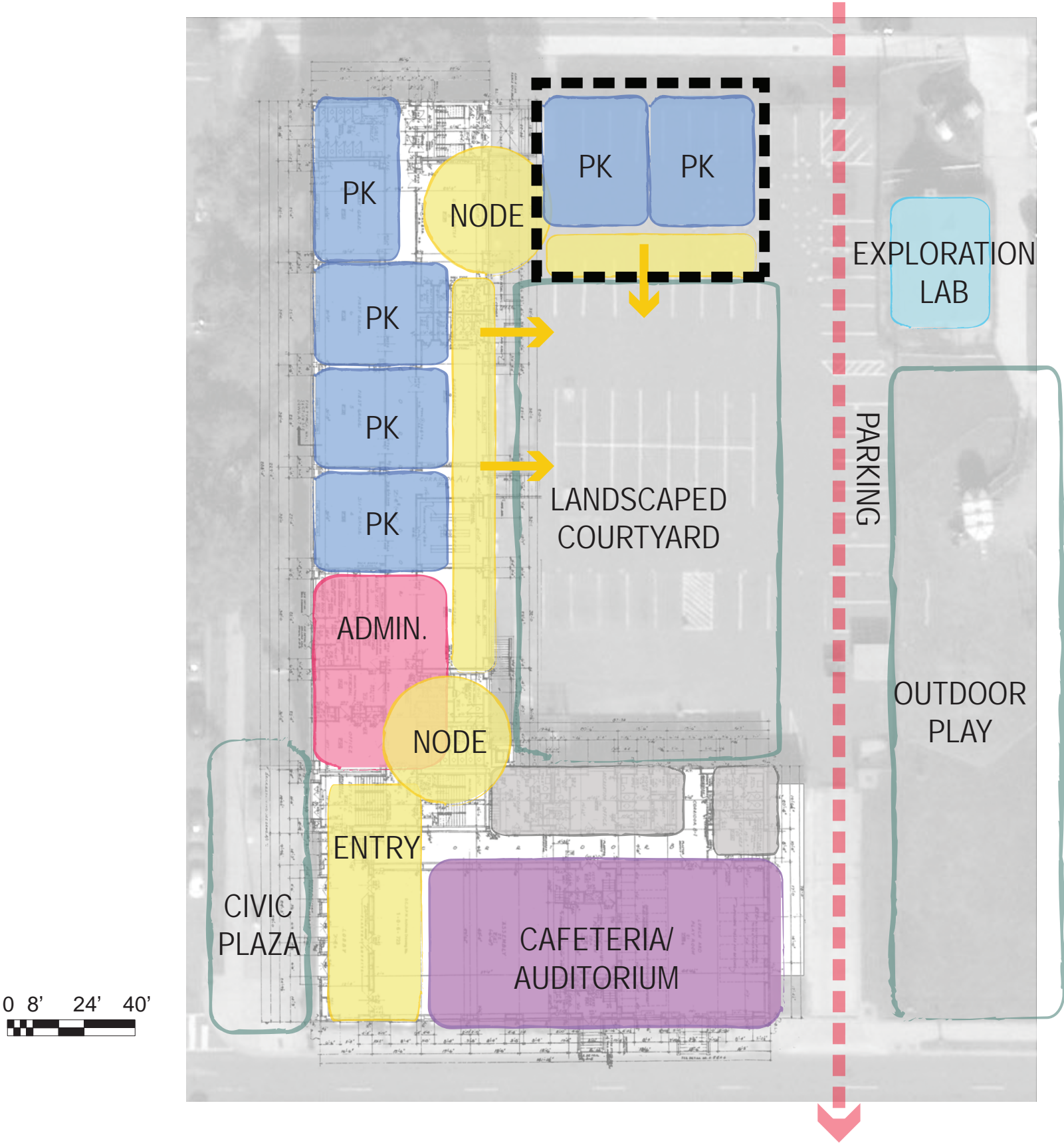


*BUILDING CONCEPTS*  
**POTENTIAL ADDITION LOCATIONS**



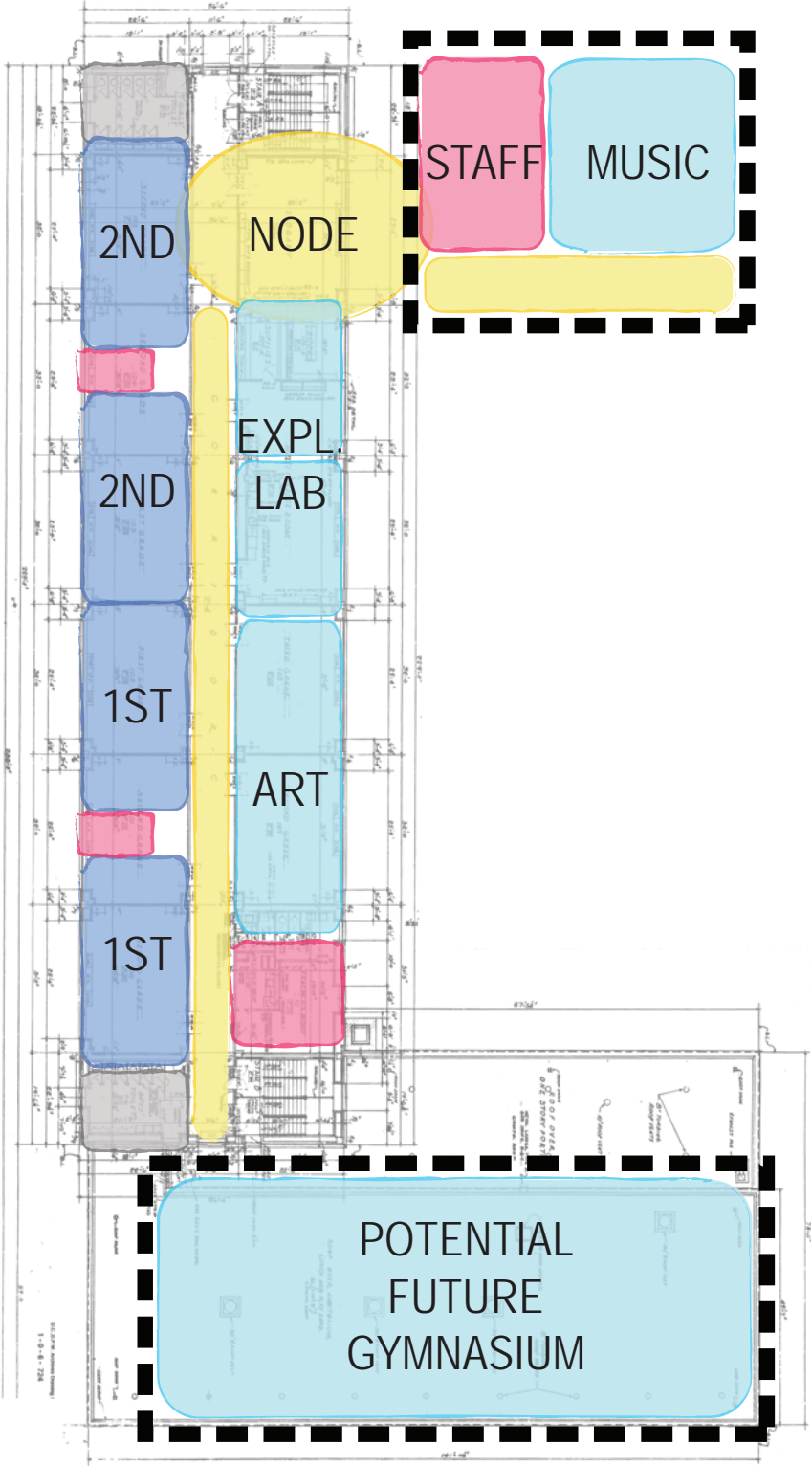


BUILDING CONCEPTS  
FIRST FLOOR





BUILDING CONCEPTS  
SECOND FLOOR





BUILDING CONCEPTS  
THIRD FLOOR

