

**LEGISLATIVE #**

**110519A**



COMMISSION MEETING  
A.S.D. SUBMITTAL

**Mills Gilbane** HARVARD • JOLLY  
DESIGN / BUILD TEAM

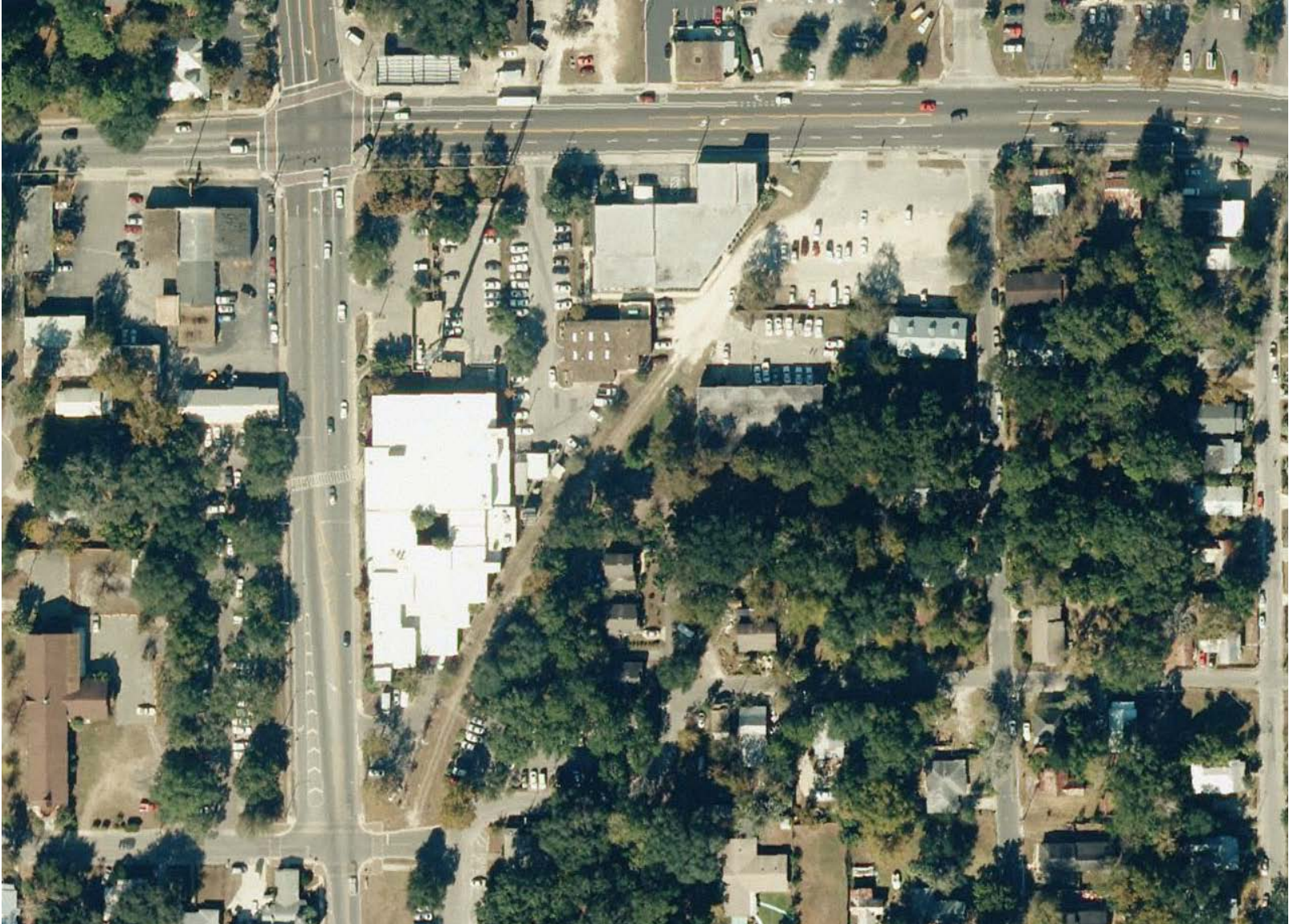


# City of Gainesville

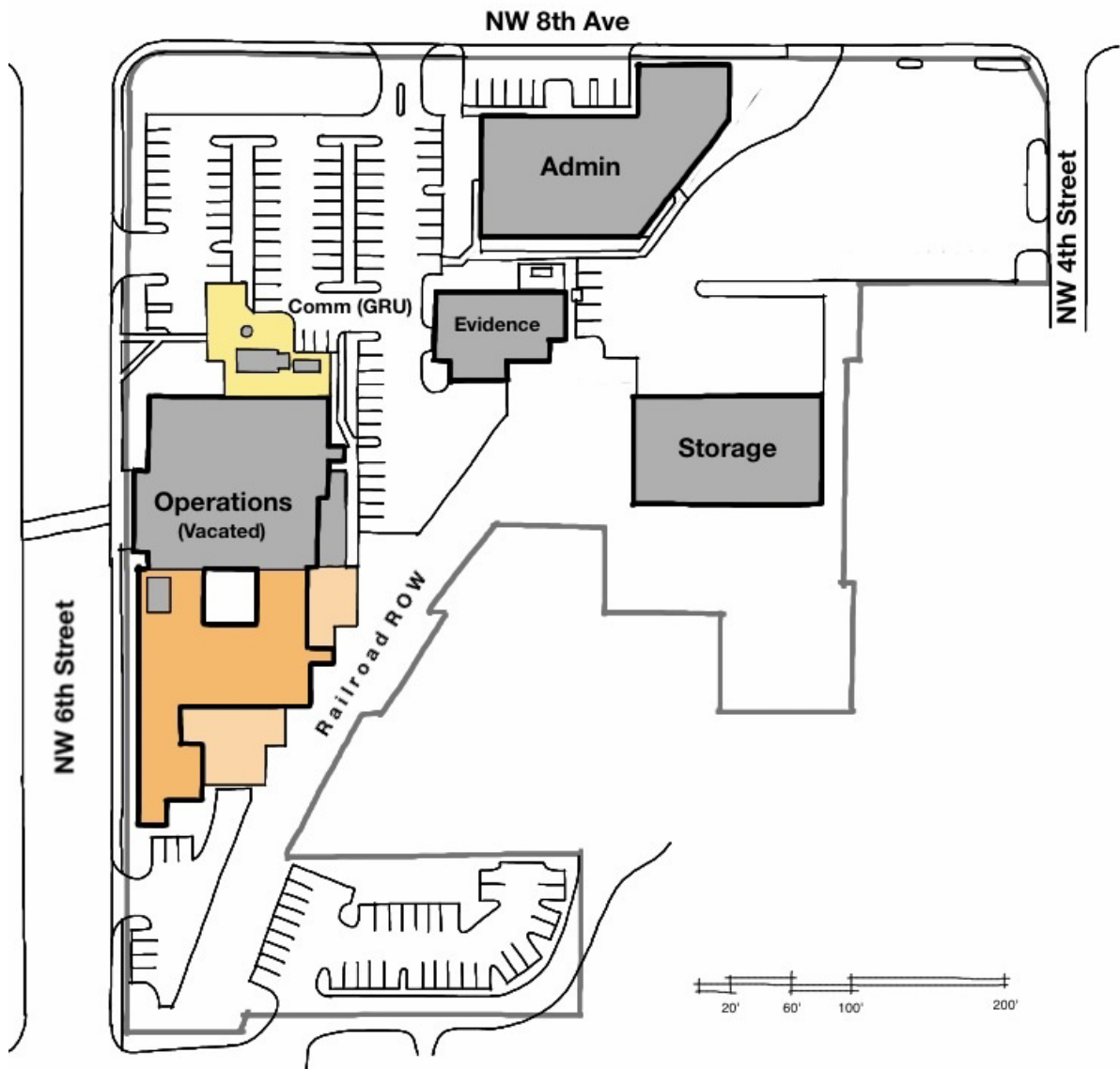
## Gainesville Police Department Headquarters and Physical Training Facility

April 19, 2012

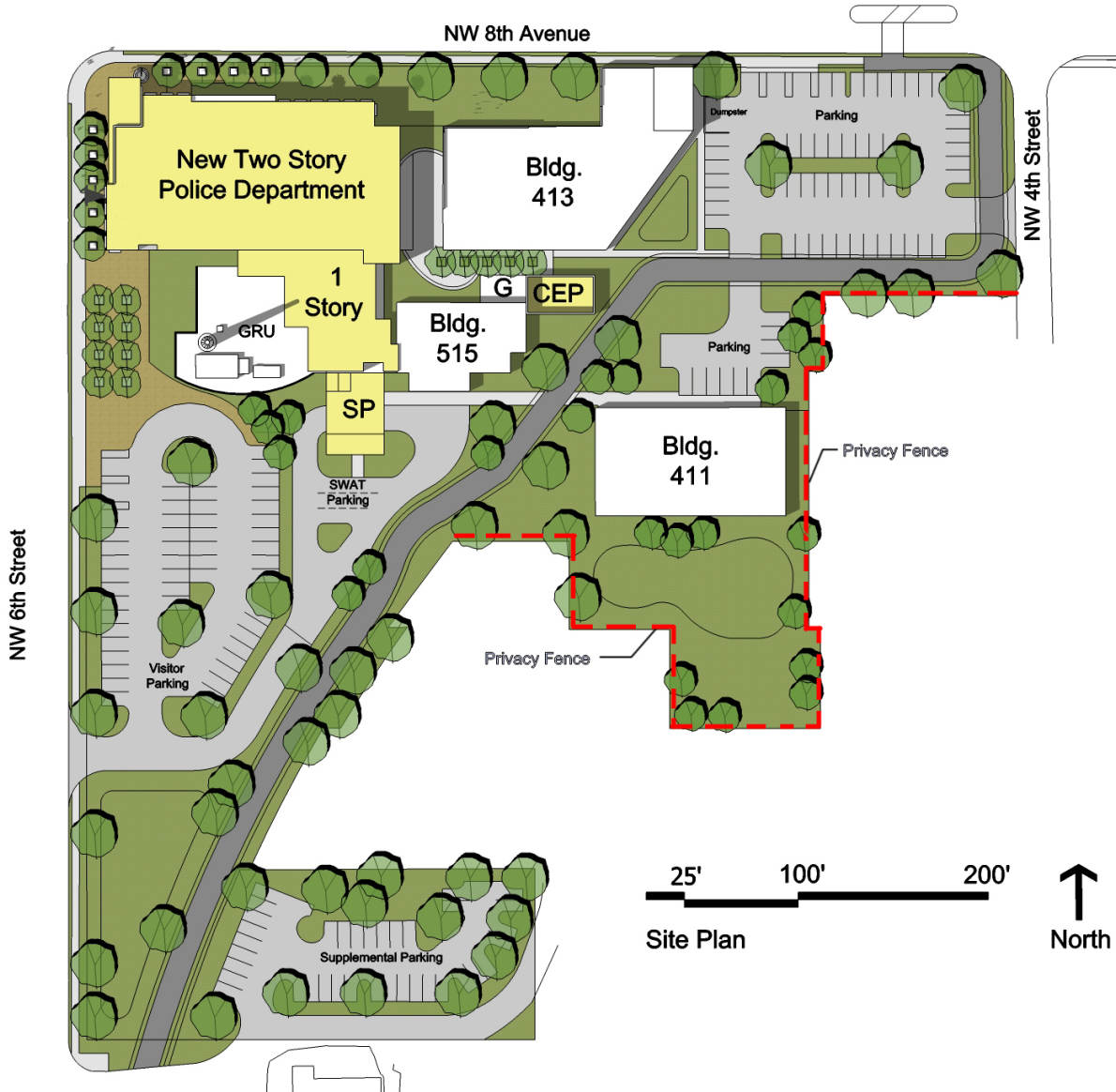
# EXISTING AERIAL



# EXISTING SITE LAYOUT

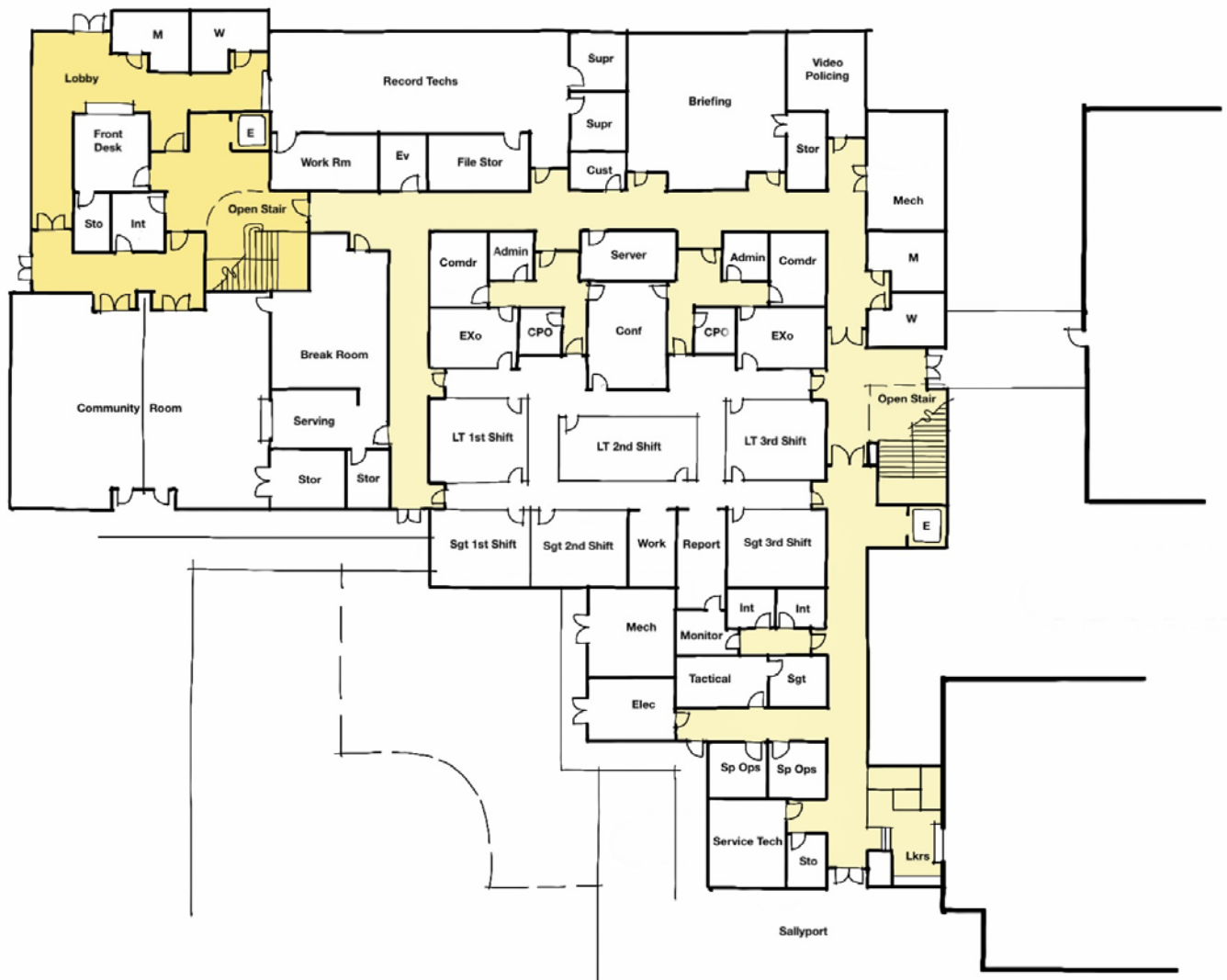


# CONCEPTUAL SITE LAYOUT

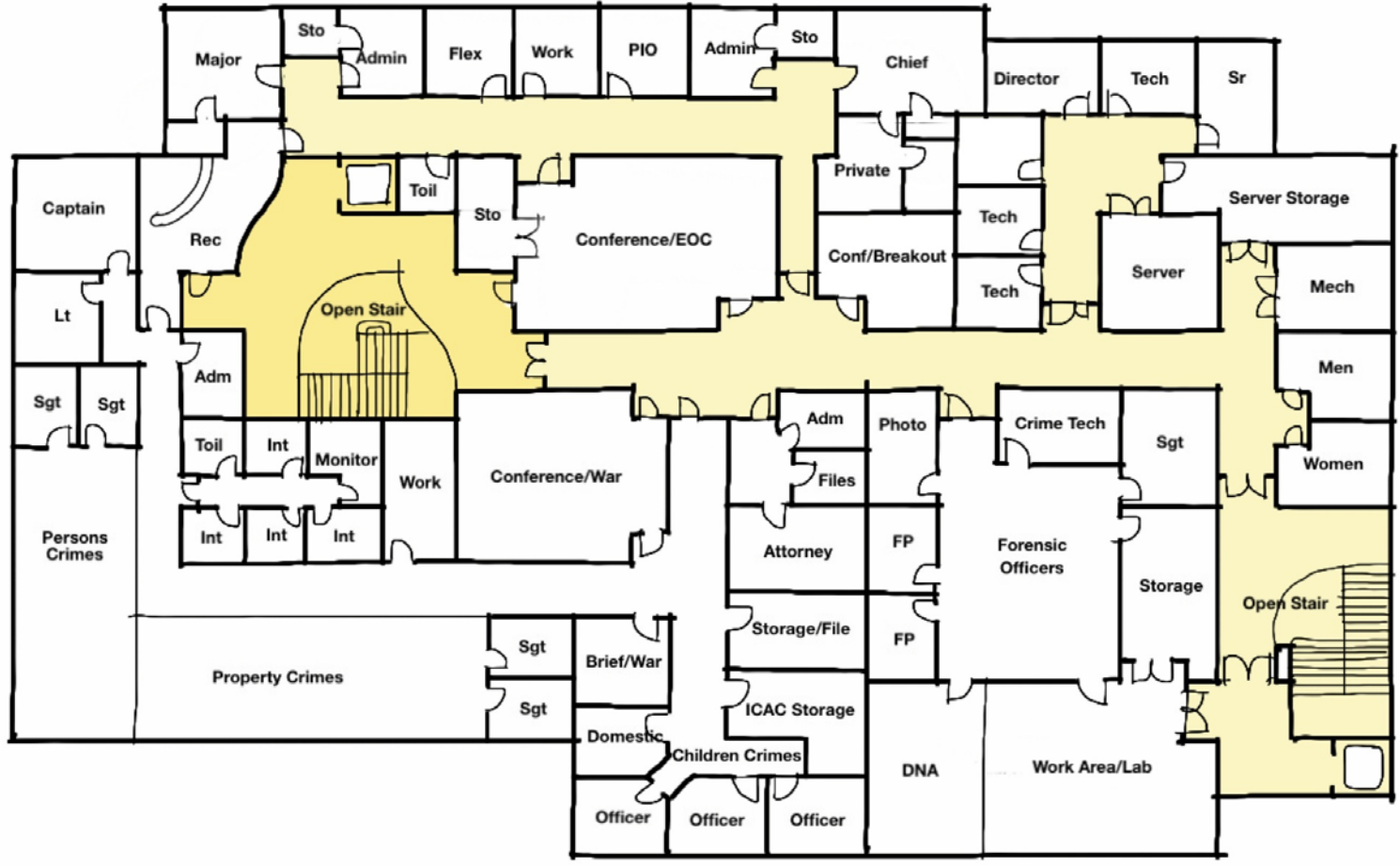


- ▶ Demo. 721 Bldg.
- ▶ New Ops. Building  
40,304 sf
- ▶ Renovate Training (411)  
8,942 sf
- ▶ 49,246 Total sf
- ▶ Meets Trad. City Rqmts.
- ▶ Efficient Cmd./Control
- ▶ Enhanced Security

# CONCEPTUAL 1st FLOOR PLAN



# CONCEPTUAL 2nd FLOOR PLAN



# CONCEPTUAL BUILDING ELEVATION #1





# CONCEPTUAL BUILDING ELEVATION #2



# CONCEPTUAL BUILDING ELEVATION #3



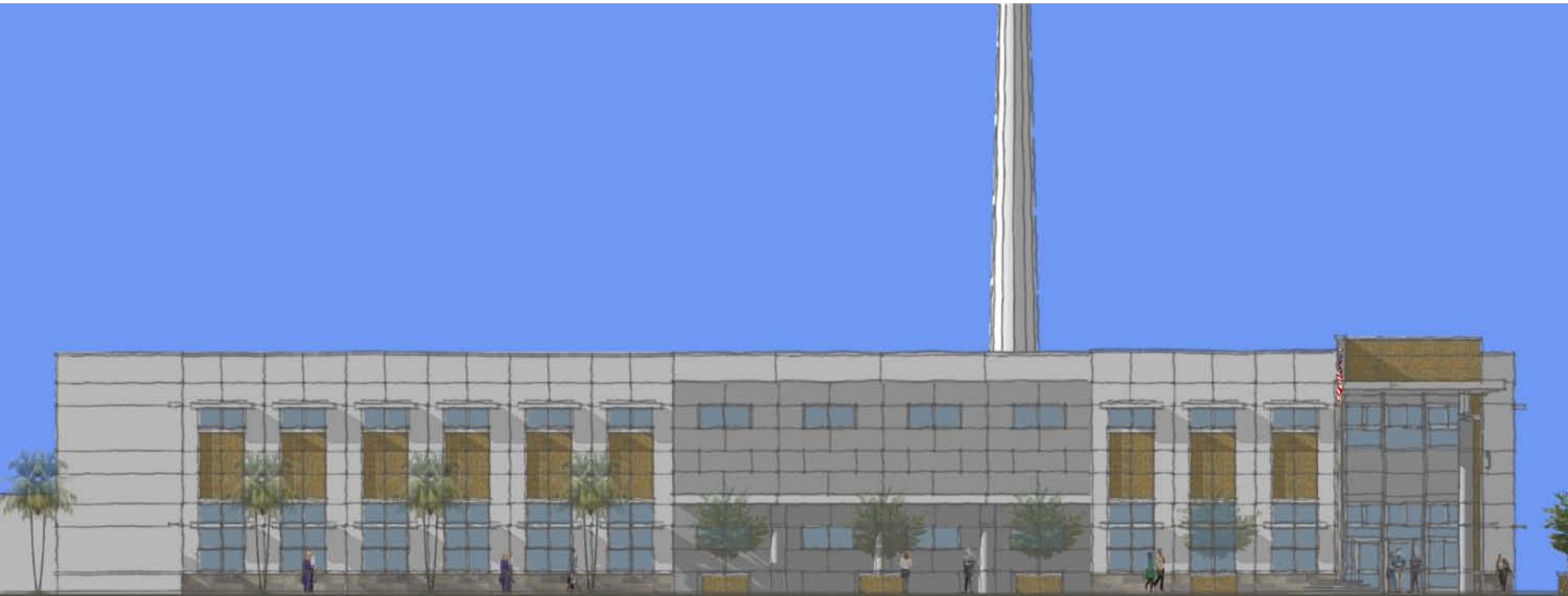
# CONCEPTUAL BUILDING ELEVATION #4



# CONCEPTUAL BUILDING ELEVATION #5



# CONCEPTUAL BUILDING ELEVATION #6



# CONCEPTUAL BUILDING ELEVATION ALTERNATE #1



# CONCEPTUAL BUILDING ELEVATION ALTERNATE #2



# CONCEPTUAL BUILDING ELEVATION ALTERNATE #3






- ▶ Sustainable Design Charrette
- ▶ Preliminary LEED Assessment
  - ▶ Energy Modeling
  - ▶ Explore/Research System Alternatives
  - ▶ Perform Life Cycle Cost Analysis of Sustainable Options
  - ▶ Present Options & Recommendations
  - ▶ Build Team Consensus for Sustainable Success
- ▶ Credit Guardian Assignment and Monitoring
- ▶ LEED Design Phase Submittal
- ▶ LEED Construction Phase Submittal
  - ▶ Commissioning



# PRELIMINARY LEED CHECKLIST

		<b>LEED 2009 for New Construction and Major Renovation Project Scorecard</b>	
<b>Project Name:</b> Gainesville Police Department HQ and Physical training Facility <b>Project Address:</b> Gainesville FL			
Yes ? No <b>22 3 1</b>		<b>SUSTAINABLE SITES 26 Points</b>	
Y	Prereq 1	<b>Construction Activity Pollution Prevention</b>	<b>Required</b>
1	Credit 1	<b>Site Selection</b>	1
5	Credit 2	<b>Development Density and Community Connectivity</b>	5
	Credit 3	<b>Brownfield Redevelopment</b>	1
6	Credit 4.1	<b>Alternative Transportation - Public Transportation Access</b>	6
1	Credit 4.2	<b>Alternative Transportation - Bicycle Storage and Changing Rooms</b>	1
3	Credit 4.3	<b>Alternative Transportation - Low-Emitting and Fuel-Efficient Vehicles</b>	3
2	Credit 4.4	<b>Alternative Transportation - Parking Capacity</b>	2
1	Credit 5.1	<b>Site Development - Protect or Restore Habitat</b>	1
1	Credit 5.2	<b>Site Development - Maximize Open Space</b>	1
1	Credit 6.1	<b>Stormwater Design - Quantity Control</b>	1
1	Credit 6.2	<b>Stormwater Design - Quality Control</b>	1
1	Credit 7.1	<b>Heat Island Effect - Nonroof</b>	1
1	Credit 7.2	<b>Heat Island Effect - Roof</b>	1
1	Credit 8	<b>Light Pollution Reduction</b>	1
Yes ? No <b>4 4 2</b>		<b>WATER EFFICIENCY 10 Points</b>	
Y	Prereq 1	<b>Water Use Reduction</b>	<b>Required</b>
2	Credit 1	<b>Water Efficient Landscaping</b>	2 to 4
		Reduce by 50%	2
		No Potable Water Use or Irrigation	4
	Credit 2	<b>Innovative Wastewater Technologies</b>	2
2	Credit 3	<b>Water Use Reduction</b>	2 to 4
		Reduce by 30%	2
		Reduce by 35%	3
		Reduce by 40%	4

<b>10 16 9</b>		<b>ENERGY &amp; ATMOSPHERE 35 Points</b>	
Y	Prereq 1	<b>Fundamental Commissioning of Building Energy Systems</b>	<b>Required</b>
Y	Prereq 2	<b>Minimum Energy Performance</b>	<b>Required</b>
Y	Prereq 3	<b>Fundamental Refrigerant Management</b>	<b>Required</b>
8	Credit 1	<b>Optimize Energy Performance</b>	<b>1 to 19</b>
		Improve by 12% for New Buildings or 8% for Existing Building Renovations	1
		Improve by 14% for New Buildings or 10% for Existing Building Renovations	2
		Improve by 16% for New Buildings or 12% for Existing Building Renovations	3
		Improve by 18% for New Buildings or 14% for Existing Building Renovations	4
		Improve by 20% for New Buildings or 16% for Existing Building Renovations	5
		Improve by 22% for New Buildings or 18% for Existing Building Renovations	6
		Improve by 24% for New Buildings or 20% for Existing Building Renovations	7
		Improve by 26% for New Buildings or 22% for Existing Building Renovations	8
		Improve by 28% for New Buildings or 24% for Existing Building Renovations	9
		Improve by 30% for New Buildings or 26% for Existing Building Renovations	10
		Improve by 32% for New Buildings or 28% for Existing Building Renovations	11
		Improve by 34% for New Buildings or 30% for Existing Building Renovations	12
		Improve by 36% for New Buildings or 32% for Existing Building Renovations	13
		Improve by 38% for New Buildings or 34% for Existing Building Renovations	14
		Improve by 40% for New Buildings or 36% for Existing Building Renovations	15
		Improve by 42% for New Buildings or 38% for Existing Building Renovations	16
		Improve by 44% for New Buildings or 40% for Existing Building Renovations	17
		Improve by 46% for New Buildings or 42% for Existing Building Renovations	18
		Improve by 48%+ for New Buildings or 44%+ for Existing Building Renovations	19
5	Credit 2	<b>On-Site Renewable Energy</b>	<b>1 to 7</b>
		1% Renewable Energy	1
		3% Renewable Energy	2
		5% Renewable Energy	3
		7% Renewable Energy	4
		9% Renewable Energy	5
		11% Renewable Energy	6
		13% Renewable Energy	7
2	Credit 3	<b>Enhanced Commissioning</b>	2
2	Credit 4	<b>Enhanced Refrigerant Management</b>	2
3	Credit 5	<b>Measurement and Verification</b>	3
2	Credit 6	<b>Green Power</b>	2

# PRELIMINARY LEED CHECKLIST

Yes ? No **3 9 2 MATERIALS & RESOURCES** 14 Points

Y	Prereq 1	Storage and Collection of Recyclables	Required
3	Credit 1.1	Building Reuse - Maintain Existing Walls, Floors and Roof	1 to 3
		Reuse 55%	1
		Reuse 75%	2
		Reuse 95%	3
1	Credit 1.2	Building Reuse - Maintain Interior Nonstructural Elements	1
1	Credit 2	Construction Waste Management	1 to 2
		50% Recycled or Salvaged	1
		75% Recycled or Salvaged	2
	Credit 3	Materials Reuse	1 to 2
		Reuse 5%	1
		Reuse 10%	2
1	Credit 4	Recycled Content	1 to 2
		10% of Content	1
		20% of Content	2
1	Credit 5	Regional Materials	1 to 2
		10% of Materials	1
		20% of Materials	2
1	Credit 6	Rapidly Renewable Materials	1
1	Credit 7	Certified Wood	1

Yes ? No **8 6 1 INDOOR ENVIRONMENTAL QUALITY** 15 Points

Y	Prereq 1	Minimum Indoor Air Quality Performance	Required
Y	Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required
1	Credit 1	Outdoor Air Delivery Monitoring	1
	Credit 2	Increased Ventilation	1
1	Credit 3.1	Construction Indoor Air Quality Management Plan - During Construction	1
1	Credit 3.2	Construction Indoor Air Quality Management Plan - Before Occupancy	1
1	Credit 4.1	Low-Emitting Materials - Adhesives and Sealants	1
1	Credit 4.2	Low-Emitting Materials - Paints and Coatings	1
1	Credit 4.3	Low-Emitting Materials - Flooring Systems	1
1	Credit 4.4	Low-Emitting Materials - Composite Wood and Agrifiber Products	1
1	Credit 5	Indoor Chemical and Pollutant Source Control	1
1	Credit 6.1	Controllability of Systems - Lighting	1
1	Credit 6.2	Controllability of Systems - Thermal Comfort	1
1	Credit 7.1	Thermal Comfort - Design	1
1	Credit 7.2	Thermal Comfort - Verification	1
1	Credit 8.1	Daylight and Views - Daylight	1
1	Credit 8.2	Daylight and Views - Views	1

Yes ? No **3 2 1 INNOVATION IN DESIGN** 6 Points

2	Credit 1	Innovation in Design	1 to 5
		green housekeeping	1
		exemplary performance	1
		exemplary performance	1
		innovation	1
		innovation	1
1	Credit 2	LEED Accredited Professional	1

Yes ? No **2 1 2 REGIONAL PRIORITY** 4 Points

2	Credit 1	Regional Priority	1 to 4
		SSS.2 Site Development Maximize Open space and IEQ 8.1 (daylight 75% of spaces)	1
		MR 5 (20% ) Regional materials	1
		EA 1 (28%) energy savings	1
		MR 1.1 (75%) Building reuse and We 2 innovative wastewater technology	1

Yes ? No **52 41 18 PROJECT TOTALS (Certification Estimates)** 110 Points

Certified: 40-49 points Silver: 50-59 points Gold: 60-79 points Platinum: 80+ points