



**BOCA RATON CAMPUS  
GENERAL CLASSROOM FACILITY  
BT- 678**

**AUGUST 2007**



**BOCA RATON CAMPUS  
GENERAL CLASSROOM FACILITY  
BT- 678**

FLORIDA ATLANTIC UNIVERSITY  
BOCA RATON, FLORIDA

PREPARED IN ACCORDANCE WITH  
AVP POLICY AND PROCEDURE #2  
PROGRAM DEVELOPMENT

**AUGUST 2007**

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Florida Atlantic University  
FACILITIES PROGRAM

**PREPARED BY:**



Robert Richman, University Planner

**REVIEWED AND APPROVED:**

**FACILITIES PLANNING:**

This is to certify that this document has been reviewed for project schedule, budget and code requirements.



Raymond Nelson, Director

**INFORMATION RESOURCE MANAGEMENT:**

This is to certify that this document meets the requirements of Information Resource Management.



Jeffery Schilit, Associate Provost

**PROGRAM COMMITTEE:**

This is to certify that this document contains the recommendations of the Program Committee.



Sandra Norman, Dean, College of Arts and Letters




Norman Kaufman, Committee Chairman  
Associate Provost, Academic Affairs

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**DIVISION OF FINANCIAL AFFAIRS:**

This is to certify that this document meets the requirements of the Division of Financial Affairs.

  
\_\_\_\_\_  
**Kenneth Jessell, Vice President for Financial Affairs**

**DIVISION OF ACADEMIC AFFAIRS:**

This is to certify that this document meets the requirements of the Office of Academic Affairs.

  
\_\_\_\_\_  
**John Pritchett, University Provost & Chief Academic Officer**

**DIVISION OF FACILITIES:**

This is to certify that this document meets the intent of the University Architect's AVP Policy and Procedure #2 (Development of Facility Program) and is consistent with the latest approved Campus Master Plan.

  
\_\_\_\_\_  
**Thomas Donaudy, University Architect & Vice President for Facilities**

**FLORIDA ATLANTIC UNIVERSITY:**

This is to certify that this document has been reviewed by the administrative leadership at Florida Atlantic University and that the material contained herein is forwarded with the President's approval and recommendation.

  
\_\_\_\_\_  
**Frank T. Broun, President**

  
Date

**A. PROJECT HISTORY AND GENERAL DESCRIPTION**

This facility is a general classroom building that will serve all academic disciplines. The tremendous growth at the Boca Campus, particularly at the lower level divisions, has created a critical shortage of general classroom space. The 90,000 square foot facility will be planned and built on FAU's Boca Campus, and will consist of primarily classroom, study and office space.

Existing facilities will not meet these needs; no other alternatives are available. This building shall be a shared facility and will be in keeping with the FBOE's guiding principle of maximization in an efficient manner.

Most of FAU's students are from the surrounding area. A little under half of the students live in Broward County, and almost one-third reside in Palm Beach County. Additionally, the student body tends to be older than the norm for other public universities in the state. More than half of the students are over 25 years old. FAU has been a "commuter college" that mainly attracted local residents who are mature and hence have limited geographical mobility because of their jobs and families.

Future enrollment is expected to rise dramatically as a result of rapid population growth in FAU's service area. The service area includes seven counties: Broward, Palm Beach, St. Lucie, Okeechobee, Martin, Hendry (shared) and Indian River.

**B. DESIGN OBJECTIVES**

The overall design objective for this project is to develop a facility and campus, which provides an environment for the students and faculty to learn, interact, and conduct programs to enhance their experience on the FAU Boca Raton Campus.

**1. LANDSCAPING AND EXTERIOR LIGHTING**

Landscaping and exterior lighting shall be incorporated into the design for function, aesthetics, security and safety. Lighting and security shall be furnished to connect the proposed building with the parking areas of the site.

**2. WALKWAYS AND PEDESTRIAN TRAFIC**

The project shall include walkways and plazas, adequate for connecting this facility to other facilities and parking areas in a way that is consistent with the master plan..

**3. VEHICULAR TRAFFIC**

Separation of vehicular and pedestrian traffic is of utmost importance. The safety of pedestrian circulation should be a first priority. Second priority is the development of parking areas with access from the perimeter and access for service vehicles, necessary to maintain the building and the grounds.

4. DESIGN FOR FUTURE EXPANSION AND RENOVATION

Within the program and budget constraints, the site and building will be designed to allow flexibility for future program growth and change. The useable life of the facility shall be extended by incorporating features for remodeling and expansion designed to reduce future renovation costs.

5. CONTEXTUAL SITE AND BUILDING DESIGN

Site and Building design shall emphasize the design of the total campus entity rather than the individual buildings. While each building is required to be designed as an appropriate response to its particular program, budget and site requirements, it must also be compatible with the existing fabric of the campus and, in the case of the west campus, compatible with the master plan.

6. HISTORICAL RESOURCES

All capital improvement projects must comply with the Division of Historical Resources.

7. SUSTAINABLE DESIGN, GREEN ARCHITECTURE AND RECYCLING

The University promotes environmental quality and resource conservation through sustainable design, green architecture and recycling in its planning and development. This project will be designed and built to at least the U. S. Green Building Council's LEED Silver standard or equivalent.

8. CONNECTIVITY

The design shall provide for the connectivity to essential voice data and life-safety reporting systems between the east and west campuses. Wireless connectivity within the buildings is required.

9. PROJECT BUDGET

The University expects the architect to develop design and contract documents which will be consistent with the established project budget. This obligation is mandatory. The architect shall work with the University's construction management consultant to prepare a cost breakdown at each stage of the project design. If these estimates exceed the budget at any stage, the architect will work with the university to modify the construction documents or the program to conform to the budget at no additional costs to the University. However, the design may not vary from the program or may the program be modified without University approval.

**C. CONSTRUCTION DELIVERY METHOD**

The University anticipates the utilization of a construction manager for this project. The construction sequencing is critical to minimize disruption of campus services and the relocation of parking areas. Prior to the start of construction the CM shall provide a mobilization plan to the University, for its approval in regard to these issues.

The size of the project is sufficiently large and/or complex to require major emphasis on the qualification of the contractor in order to provide specific expertise in highly specialized cost estimating, value engineering, and scheduling during the design process, with continuity of construction management through both design and construction phases.



**A. STATE UNIVERSITY SYSTEM OF FLORIDA MASTER PLAN**

The proposed program for this project is consistent with the goals and objectives of the Boca Raton Campus Master Plan..

**B. ACADEMIC PROGRAM REVIEWS**

Space assigned in this building will be used to support all academic programs offered on this campus.

**C. RECOMMENDATIONS OF THE REVIEW CONSULTANTS**

Not Applicable

**C. JUSTIFICATIONS**

Not Applicable

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**A. FACILITY DEFICIENCIES**

Existing classroom facilities are insufficient and will not meet the current and projected needs.

**B. ALTERNATIVE SOLUTIONS**

No other alternatives are available. This building shall be a shared facility and will be in keeping with the FBOE's guiding principle of maximization in an efficient manner.

**C. QUANTITATIVE ANALYSIS OF PROGRAM SPACES**

The *State Requirements for Educational Facilities Chapter 6, Section 6.1, Size of Spaces and Occupant Criteria Table* was utilized as a guide in the development of this program. The resulting detailed Space Program is included in Section IX

**D. PROJECT AND SURVEY RECOMMENDATIONS**

Not Applicable

**A. THE ADOPTED CAMPUS MASTER PLAN**

The proposed project is consistent with the goals and objectives of the Boca Raton Campus Master Plan.

## A. SITE CONDITIONS

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**1. SITE TOPOGRAPHY** (CM-N-04.00-09/97 B.1)

The site is a level site on an existing parking lot.

**2. STORM DRAINAGE** (CM-N-04.00-09/97 B.2)

The site will require permitting with the South Florida Water Management District (SFWMD) and the Lake Worth District. If required, the architect will be directed to provide attenuation strategy for storm water management on site. Refer to Section X, Utilities Impact Analysis for site maps and preliminary site storm water system.

**3. VEHICULAR AND PEDESTRIAN CIRCULATION** (CM-N-04.00-09/97 B.3)

Vehicular, pedestrian and service circulation to the site will require study by the selected design consultant. Parking spaces displaced by this facility shall be replaced by this project.

**4. SITE VEGETATION** (CM-N-04.00-09/97 B.4)

The university will adhere to its policy of replanting and replacing any trees or shrubbery that are removed or damaged due to new construction, and the architect shall recommend additional improvements in his design. It is expected that landscaping will play an important role in enhancing the structure as well as shielding any required service areas from view.

**5. ARCHAEOLOGICAL HISTORY** (CM-N-04.00-09/97 B.5)

There is no known archeological history on this site.

**6. EXISTING UTILITY LOCATIONS** (CM-N-04.00-09/97 B.6)

Refer to Section X, Utility Impact Analysis for utility maps and descriptions of proposed site utilities.

**7. ARCHITECTURAL SIGNIFICANCE OF ADJACENT STRUCTURES** (CM-N-04.00-09/97 B.7)

The building design is to compliment the existing scale and architectural vocabulary of the surrounding structures of the campus.

**8. UNUSUAL SITE CONDITIONS** (CM-N-04.00-09/97 B.8)

There are no known unusual site conditions.

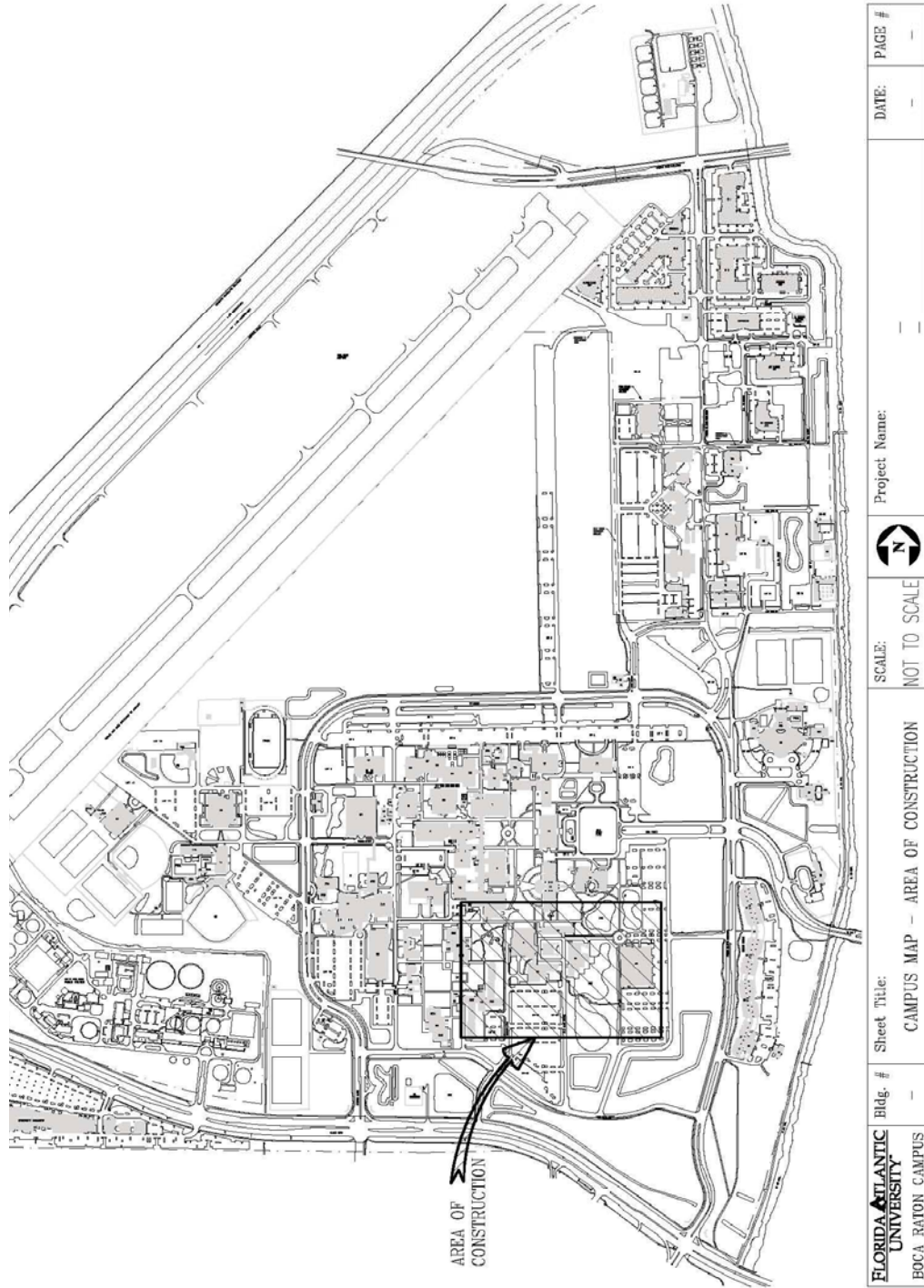
**9. DIRECTION OF PREVAILING WINDS** (CM-N-04.00-09/97 B.9)

There is no University wide study of the prevailing wind patterns. Generally the wind patterns vary seasonally reflecting the global patterns associated with the summer tropic air currents from the southeast and winter arctic winds from northwest. More importantly, the Architect must study the effect of microclimate created by existing tree canopy and site conditions (in addition to the relationship to adjacent building exhaust, fresh air intake and vehicular traffic patterns) in siting the building and in designing for views and HAVC/MEP systems.

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## B. CAMPUS MAP & SITE MAPS

The following map of the Boca Raton Campus shows the general vicinity of the site for this project.



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The site is the area of Lot 23 south of Building PA-51.



Aerial photo of the General Classroom Facility site.



**A. PROGRAM AREA TABLE**

The following program is to be verified with the respective user departments upon the start of design by the selected AE Team. The program is intended to provide for a completely functional facility. Accordingly, the design team shall provide for all that is reasonably inferred as needed for such a facility, even if not specifically indicated in the program. The following Phase 1 program reflects the original funding request as submitted in FAU's Five year CIP submitted in July 2006, from which the funding has been approved, per Tab XIV of this program.

PHASE 1 PROGRAM						
General Classroom Building Program						
Space Requirements per General Classroom Program Committee						
	QU	Area Each	SubTotal	Total	SuperTotal	Comment
<b>1 English Department</b>	(now dept in SO (3) Fac in SO & AL)					
Department Office:						
Reception/Secretarial (1)	1	200	200			
Additional Clerical	1	120	120			
Files/Work/Copy/Fax Area/Mail Area	1	200	200			
Records	1	200	200			
Dept Chair's Office	1	200	200			
Associate Chair	1	175	175			
Program Ass't	1	120	120			
Storage area	1	100	100			
Department Conference Room for 18-20	1	400	400			Also used for graduate seminars
Faculty/staff offices	24	120	2,880			3 added
Instructors	22	120	2,640			
Adjunct/Visiting Offices	2	120	240			
GTA Offices (54 GTAs) allow 50 sf ea	54	50	2,700			
<del>Electronic Classrooms for 20 ?</del>	<del>0</del>	<del>0</del>	<del>—</del>			To remain in Bldg AL
				10,175		
Total Net Area for Arts & Letters Space:					10,175	
<b>GC General Classroom Space Component</b>						
Computer Lab (35 Stations)	4	40	1,400	5,600		
Computer Lab (60 Stations)	1	35	2,100	2,100		
Lecture Halls (300 seats)	0	12.5	3,750	-		Distance Learning
Classrooms (100 Seats)	1	22	2,200	2,200		Distance Learning
Classrooms (80 Seats)	2	22	1,760	3,520		Distance Learning
Classrooms ( 50 Seats)	1	22	1,100	1,100		Distance Learning
Classrooms (25 Seats)	20	22	550	11,000		Standard classroom IRM setup
General building lobby /classroom outflow space	1		2,000	2,000		
Total General Classroom Space					27,520	
Total Net Area for Proposed Project:					37,695	Net Area
				Grossing factor:	1.45	54,658
						Gross Area

End of Phase 1 Space Program Requirements.

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Submitted in July 2007, the current CIP shows a revised funding request that would accommodate the complete program that follows. The AE will be responsible for performing conceptual studies for the complete program below, assuming a two phase project, but completing 100% construction documents for the Phase 1. The complete program for the General Classroom Building is included below, for reference and use during the conceptual design study period. (Shaded to differentiate from Phase 1 Program)

FULL PROGRAM						
General Classroom Building Program						
Space Requirements per General Classroom Program Committee						
	QU	Area Each	SubTotal	Total	SuperTotal	Comment
<b>1 English Department</b>	(now dept in SO (3) Fac in SO & AL)					
Department Office:						
Reception/Secretarial (1)	1	200	200			
Additional Clerical	1	120	120			
Files/Work/Copy/Fax Area/Mail Area	1	200	200			
Records	1	200	200			
Dept Chair's Office	1	200	200			
Associate Chair	1	175	175			
Program Ass't	1	120	120			
Storage area	1	100	100			
Department Conference Room for 18-20	1	400	400			Also used for graduate seminars
Faculty/staff offices	24	120	2,880			3 added
Instructors	22	120	2,640			
Adjunct/Visiting Offices	2	120	240			
GTA Offices (54 GTAs) allow 50 sf ea	54	50	2,700			
<del>Electronic Classrooms for 20?</del>	<del>0</del>	<del>0</del>	<del>---</del>			To remain in Bldg AL
				10,175		
<b>2 Communication &amp; Multimedia Studies</b>	(now all in GCS 2)					
Department Office:						
Reception/Secretarial (1)	1	200	200			
Additional Clerical	1	120	120			
Files/Work/Copy/Fax Area/Mail Area	1	200	200			
Records	1	200	200			
Dept Chair's Office	1	200	200			
Associate Chair	1	175	175			
Program Ass't plus part time staff	2	120	240			
Storage area	1	100	100			
Department Conference Room for 18-20	1	400	400			Also used for graduate seminars
Faculty/staff offices	21	120	2,520			2 added
Adjunct/Visiting Offices	3	120	360			
GTA Offices (4-10 GTAs) allow 50 sf ea	10	50	500			
Screening Room for 20	1	800	800			Could use Liv Rm Theatre if built
Electronic Classrooms for 20	2	800	1,600			Design for Debate Classes
				7,615		
<b>3 Philosophy</b>	(Office in AH, Staff in AL)					
Department Office:						
Reception/Secretarial (1)	1	200	200			
Additional Clerical	1	120	120			
Files/Work/Copy/Fax Area/Mail Area	1	200	200			
Dept Chair's Office	1	200	200			
Associate Chair	0	175	-			
Storage area	1	100	100			
Department Conference Room for 18-20	1	400	400			Also used for graduate seminars
Faculty/staff offices	6	120	720			
Adjunct/Visiting Offices	1	120	120			
GTA Offices (3 GTAs) allow 50 sf ea	3	50	150			
				2,210		



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	QU	Area Each	SubTotal	Total	SuperTotal	Comment
<b>4 Eminent Scholars Suite</b>						
Department Office:						
Reception/Secretarial (1)	1	200	200			
Conference Room for 18 - 20 (classes held)	1	400	400			Also used for graduate seminars
Storage area	1	100	100			
Office/work rooms	5	120	600			Used 120 to keep to standard size.
Eminent Scholars' Offices	5	175	875			
				2,175		
<b>5a Comparative Studies</b> (now in SO)						
Department Office:						
Reception/Secretarial (1)	1	200	200			
Additional Clerical	0	120	-			
Files/Work/Copy/Fax Area/Mail Area	1	200	200			
Director's Office	1	200	200			
Associate Director	1	175	175			
Associate Dean for Grad Research	1	175	175			
Storage area	1	100	100			
Department Conference Room for 18-20	1	400	400			Also used for graduate seminars
Faculty/staff offices	0	120	-			
Adjunct/Visiting Offices	1	120	120			
GTA Offices (38 GTAs) allow 50 sf each?	38	50	1,900			
				3,470		
<b>5b Jewish &amp; Religious Studies</b> (now in SO)						
Department Office:						
Reception/Secretarial (1)	1	200	200			
Staff Offices	0	120	-			none required
Files/Work/Copy/Fax Area/Mail Area	1	150	150			
Director's Office	1	200	200			
Associate Director	1	175	175			1 for future office suite potential
Storage area	1	100	100			
Department Conference Room for 18-20	1	400	400			Also used for graduate seminars
				1,225		
<b>5c Woman's Studies</b> (now in SO)						
Department Office:						
Reception/Secretarial (1)	1	200	200			
Additional Clerical	1	120	120			
Files/Work/Copy/Fax Area/Mail Area	1	200	200			
Dept Chair's Office	1	200	200			
Associate Chair	0	175	-			
Storage area	1	100	100			
Department Conference Room for 18-20	1	400	400			Also used for graduate seminars
Faculty/staff offices	3	120	360			
Adjunct/Visiting Offices	1	120	120			
GTA Offices (1-6 GTAs) allow 50 sf ea	6	50	300			
				2,000		
<b>6 Student Academic Services</b>						
Department Office:						
Reception/Secretarial (1)	1	400	400			
Additional Clerical	1	120	120			
Files/Work/Copy/Fax Area/Mail Area	1	200	200			
Director's Office	1	200	200			
Associate Chair	0	175	-			
Department Conference Room for 12-15	1	225	225			
Storage area	1	200	200			
Faculty/staff offices	5	120	600			
				1,945		
Total Net Area for Arts & Letters Space:						30,815

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	QU	Area Each	SubTotal	Total	SuperTotal	Comment
<b>GC General Classroom Space Component</b>						
Computer Lab (35 Stations)	4	40	1,400	5,600		
Computer Lab (60 Stations)	1	35	2,100	2,100		
Lecture Halls (300 seats)	1	12.5	3,750	3,750		Distance Learning
Classrooms (100 Seats)	1	22	2,200	2,200		Distance Learning
Classrooms (80 Seats)	2	22	1,760	3,520		Distance Learning
Classrooms ( 50 Seats)	1	22	1,100	1,100		Distance Learning
Classrooms (25 Seats)	20	22	550	11,000		Standard classroom IRM setup
General building lobby /classroom outflow space	1		2,000	2,000		
<b>Total General Classroom Space</b>					<b>31,270</b>	
Total Net Area for Proposed Project:					62,085	Net Area
Grossing factor:					1.45	90,023 Gross Area

### B. OTHER PROGRAM ISSUES

The following important issues are to be considered by the design team. Many requirements are repeated in more detail in the FAU Cost Containment Guidelines and Professional Services Guidelines which are available for viewing at <http://wise.fau.edu/facilities/uavp/>. The design team is encourage to become familiar with these documents.

- 1) The building shall be designed so that it can be built in two phases in response to the timing of future funding. More information shall be supplied by the University during the design phase.
- 2) As the site is relatively flat, the building site shall be designed to assure positive drainage away from the building.
- 3) Telephone and data services shall be provided in accordance with the standards specified in Section XI of this program.
- 4) Provide meters, according to FAU standards and guidelines, for all utilities serving the building.
- 5) The building and paved site areas shall be completely accessible in strict accordance with the Americans with Disabilities Act and all other pertinent codes. This will be the sole responsibility of the design team.
- 6) Provide an emergency generator (with lockable screened fence or wall) for a minimum of all life safety functions. Additional capacity to be provided as directed by the University.
- 7) Provide lightning protection per University standards.
- 8) Energy efficient systems and lighting shall be used to the greatest extent possible, in accordance with University standards.
- 9) Provide for screened trash storage area for recycling, etc.
- 10) Provide for the covered outdoor storage and charging of up to 6 golf carts.

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- 11) Provide card readers at major entrances. Provide conduit and J-boxes, as required to all exterior doors for monitoring door status and automatic locking from a central police location.
- 12) Provide conduit for voice and data connectivity to the existing campus backbone.
- 13) Provide for connectivity to the existing campus energy management system and life safety systems.
- 14) The building shall have 100% sprinkler protection.
- 15) Provide surge protection for the entire building.
- 16) Provide wireless capability for the entire building and all outdoor activity areas, including plazas.
- 17) Provide site design which will successfully interface the proposed facility into the existing fabric of the local campus site and parking areas and which will that maintain a working and safe site in terms of vehicular and pedestrian movement.
- 18) Existing on-grade parking that is displaced by the location of the facility shall be replaced as part of this project. The actual location of these on-grade spaces shall be determined by the University.
- 19) All of the above considerations are to be provided for and included in the selected AE's design fee proposal.

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**C. SAMPLE SPACE DESCRIPTION FORMS**

The following are samples only. The selected AE will complete space description forms for each unique space type upon completion of the conceptual design. The AE will complete more detailed requirement sheets on laboratory and lab support spaces. SAMPLE:

<b>SPACE:</b>	<b>LECTURE HALL</b>		
DEPARTMENT:			
AREA:	Auditorium		
SPACE NAME:	Sloped Lecture Hall for 300 ppl		
DESCRIPTION / USE:	Large Assembly Lecture Hall		
SUS SPACE CATEGORY:	General Use - Assembly	ROOM USE CODE:	610
PERSONNEL ASSIGNED / MAX.:	80 People		
DIMENSION / AREA:	3750 NASF		
NUMBER REQUIRED:	See Program		
<b>RELATIONSHIPS</b>			
PRIMARY:	Main Lobby		
SECONDARY:	Outflow space and other classrooms		
<b>ARCHITECTURAL CRITERIA</b>			
FLOORS:	Mildew resistant carpet or carpet tile w/ vinyl base. Sloped Floor		
WALLS:	Highly washable textured paint over gypsum board with sound absorptive treatment as required.		
CEILINGS:	Suspended acoustic tile or Paint over gypsum board ceiling as required for proper acoustic treatment of the room.		
DOORS:	Solid core wood w/ HM frame.		
WINDOWS:	Not required, but if provided, include electronically operated shading devices for proper environment for use of computer and multimedia projection screen.		
LIGHTING:	Indirect lighting to enhance use of computer monitors w/ recessed down-lights and recessed fluorescent lights with parabolic lens. Front lectern area controlled separately. All areas under electronic rheostat control as required for integrated lighting control for use of video/computer projection screen.		
ACOUSTICAL:	Proper room design for attenuation of both amplified and un-amplified speech. Acoustic isolation and insulation is required.		
<b>MECHANICAL CRITERIA</b>			
HVAC:	Maintain low ambient noise level for clear un-amplified speech.		
PLUMBING:	N/A		
COMMUNICATIONS:	Provide 2 category 5 ports, telephone line, and fiber optic cable at lectern location. Wireless Capabilities.		
ELECTRICAL:	Consider and discuss power to each seat for laptop computers. Provide multiple power outlets at the lectern for audio-video equipment and computers. Provide conduit from projector to lectern (and the computer room). Conditioned electrical power at dedicated panel box to each power outlet for computers. Backup UPS provided for lectern computer.		
<b>FURNITURE/EQUIPMENT</b>			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	Ceiling mtd. computer projector with motorized lift, document camera, computer, 2 overhead projector screens, porcelain coated steel whiteboards, VCR, DVD (or other recording technology), audio system, control panel and remote.		
FURNITURE (CONTRACTOR):	Design and install fixed upholstered seating, lectern console (with fully integrated audio/video control and computer), and structural mounting for ceiling hung projector.		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
1. Provide curved shape with stepped/sloped seating area. ADA compliant.			
2. Fixed lectern console with equipment and integrated control panel built-in. Include lighting control.			

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SAMPLE:

<b>SPACE:</b>	<b>LEVEL CLASSROOMS</b>		
DEPARTMENT:			
AREA:	General Classroom		
SPACE NAME:	Classroom of various sizes		
DESCRIPTION / USE:	Class lectures		
SUS SPACE CATEGORY:	Classroom	ROOM USE CODE:	110
PERSONNEL ASSIGNED / MAX.:	Instructor	Students	
	1 Person	25 - 45 People	
DIMENSION / AREA:	Level classroom sizes vary. See program		
NUMBER REQUIRED:	See Program.		
<b>RELATIONSHIPS</b>			
PRIMARY:	Other Classrooms and 6 Breakout Rooms (adjacent to classrooms)		
SECONDARY:	Note: Similar criteria in 6 Breakout Rooms		
<b>ARCHITECTURAL CRITERIA</b>			
FLOORS:	Mildew resistant carpet or VT w/ vinyl base. Level Floor		
WALLS:	Highly washable textured paint over gypsum board with sound absorptive treatment as required. Moveable acoustic wall between classrooms for large events.		
CEILINGS:	Suspended acoustic tile or paint over gypsum board ceiling as required for proper acoustic treatment of the room.		
DOORS:	Solid core wood w/ HM frame.		
WINDOWS:	If provided, include electronically operated shading devices for proper environment for use of computer and multimedia projection screen.		
LIGHTING:	Indirect lighting to enhance use of computer monitors w/ recessed down-lights and recessed fluorescent lights with parabolic lens. Front stage/lectern area controlled separately. All areas under electronic rheostat control as required for integrated lighting control for use of video/computer projection screen.		
ACOUSTICAL:	Proper room design for attenuation of both amplified and un-amplified speech. Acoustic isolation and insulation is required.		
<b>MECHANICAL CRITERIA</b>			
HVAC:	Maintain low ambient noise level for clear un-amplified speech.		
PLUMBING:	N/A		
COMMUNICATIONS:	Category 5 network port for every seat location. Provide 2 category 5 ports, telephone line, and fiber optic cable at lectern location and each Breakout Room. Wireless Capabilities.		
ELECTRICAL:	Power to each seat for laptop computers flush mounted to floor (if budget allows). Provide multiple power outlets at the lectern for audio-video equipment and computers. Provide 4-inch conduit from projector to lectern (and the computer room). Conditioned electrical power at dedicated panel box to each power outlet for computers. Backup UPS provided for lectern computer. Power and Data to each Breakout Room for 6-8 computers.		
<b>FURNITURE/EQUIPMENT</b>			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	Ceiling mounted computer projector with motorized lift, document camera, computer, 2 overhead projector screens, porcelain coated steel whiteboards, VCR, DVD (or other recording technology), audio system, control panel and remote.		
FURNITURE (CONTRACTOR):	By Owner		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
1. Fiber optic and coaxial cable to computer room			
2. Moveable lectern console with equipment and integrated control panel built-in.			

SAMPLE:

**BT-678 GENERAL CLASSROOM FACILITY**

<b>SPACE:</b>	<b>OFFICE SPACE</b>		
DEPARTMENT:			
AREA:	Office		
SPACE NAME:	Apply to all office and office support space		
DESCRIPTION / USE:	Office		
SUS SPACE CATEGORY:	Office	ROOM USE CODE:	310
PERSONNEL ASSIGNED / MAX.:	Varies		
DIMENSION / AREA:	Varies		
NUMBER REQUIRED:	See program		
<b>RELATIONSHIPS</b>			
PRIMARY:	Other offices.		
SECONDARY:			
<b>ARCHITECTURAL CRITERIA</b>			
FLOORS:	Mildew resistant carpet w/ vinyl base.		
WALLS:	Highly washable textured paint over gypsum board.		
CEILINGS:	Suspended acoustic tile.		
DOORS:	Solid core wood w/ HM frame.		
WINDOWS:	Desired for daylighting & view.		
LIGHTING:	Generally, recessed fluorescent lights with parabolic lens. Recessed down-lights may be used in special situations.		
ACOUSTICAL:	Acoustical treatment of walls & ceilings, extend partitions of Director Offices and conference rooms to the deck above w/ sound attenuating blanket.		
<b>MECHANICAL CRITERIA</b>			
HVAC:	Appropriate zoning per FAU Guidelines		
PLUMBING:	NA		
COMMUNICATIONS:	2 category 5 network ports. Telephone. Provide fiber optic cable as required. Wireless Capabilities.		
ELECTRICAL:	As required. Provide power at each telephone and computer outlet. Provide conditioned power and UPS backup.		
<b>FURNITURE/EQUIPMENT</b>			
FURNITURE (OWNER):	Executive Desk, Credenza, Executive Chair, Bookshelves, 2 side Chairs		
EQUIPMENT (OWNER):	Computer, Telephone		
FURNITURE (CONTRACTOR):	NA		
EQUIPMENT (CONTRACTOR):	All equipment Owner purchased and Contractor installed.		
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			
1. Provide blinds or window shades, as required.			

SAMPLE:

<b>SPACE:</b>	<b>LOBBY &amp; PRE-FUNCTION SPACE</b>
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## BT-678 GENERAL CLASSROOM FACILITY

DEPARTMENT:			
AREA:	Assembly		
SPACE NAME:	Entrance Lobby and other general circulation		
DESCRIPTION / USE:	Lobby / vestibule space for Auditorium, general circulation		
SUS SPACE CATEGORY:	General Use - Assembly service	ROOM USE CODE:	615
PERSONNEL ASSIGNED / MAX.:	varies		
DIMENSION / AREA:	varies		
NUMBER REQUIRED:	See Program		
<b>RELATIONSHIPS</b>			
PRIMARY:	Lecture Hall		
SECONDARY:	Main Entry		
<b>ARCHITECTURAL CRITERIA</b>			
FLOORS:	Highly durable and slip resistant.		
WALLS:	Durable, highly washable & easily maintainable textured quality paint.		
CEILINGS:	Suspended acoustic tile or Paint over gypsum board ceiling as required. Easy Access to valves and equipment in ceiling.		
DOORS:	Glazed entrance doors. Other doors per adjoining rooms.		
WINDOWS:	Desired for daylighting		
LIGHTING:	As required per design		
ACOUSTICAL:	Proper design to control level of noise and echo.		
<b>MECHANICAL CRITERIA</b>			
HVAC:	As required.		
PLUMBING:	N/A		
COMMUNICATIONS:	As required. Wireless Capabilities throughout building and public plazas.		
ELECTRICAL:	As required.		
<b>FURNITURE/EQUIPMENT</b>			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	NA		
FURNITURE (CONTRACTOR):	NA		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
<b>SUPPLEMENTAL INFORMATION/REQUIREMENTS</b>			

**A. UTILITIES IMPACT ANALYSIS**

The following analysis of site utilities and discussion of utility capacities, sizes and connection points is for early estimating purposes only and should not be relied upon by the design professional as direction. It is the responsibility of the design professionals to research all existing conditions and to make recommendations based on the requirements of the project, future considerations, existing capacities, sizes and the location of all utilities. Utilities shall be sized to accommodate Phase 1 and Phase 2 components of the complete program as outlined in Section IX.

---

**1. CHILLED WATER:** (SUS CM-N-04.00-09/97 A)

The AE shall determine the capacity of the chilled water from the central plant and determine the best route to run the required line to the building. An 18" main & return run in the east-west tunnel to the north of Building 9. See the Chilled Water infrastructure drawing below.

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**2. HOT WATER:** (SUS CM-N-04.00-09/97 B)

The AE shall determine the capacity of the heating hot water from the central plant and determine the best route to run the required line to the building. An 8" main & return run in the east-west tunnel to the north of Building 9. See the Heating Hot Water infrastructure drawing below. An alternate to supplying the Heating hot water from the central plant is a separate gas or electric fired boiler.

---

**3. ELECTRICAL:** (SUS CM-N-04.00-09/97 C)

Electric feeders #5 and #6 feed the general area of the site. The AE shall determine the total electrical load required and the appropriate feeders to tie into.

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**4. POTABLE WATER:** (SUS CM-N-04.00-09/97 D)

The supply is the Campus water loop with capacity from the City of Boca Raton. This project will tap off the nearest existing line. Typical water pressure on Campus is 60psi at fire hydrants. The domestic water will have double, parallel BFP assemblies. Include an EMON compatible water meter, Invensys or equal.

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**5. SANITARY:** (SUS CM-N-04.00-09/97 D)

Through a review of the code, determine the number of fixtures required. Determine the nearest sanitary lines and verify their capacity.

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**6. IRRIGATION:** (SUS CM-N-04.00-09/97 E)

Tie into the existing system to irrigate all landscaped areas. Provide new timers for the effected area within 50 feet of the building.

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**7. STORM WATER MANAGEMENT:**

Tie into existing stormwater lines nearby. There is an existing retention ponds area to the east fo the sites. Plans will be submitted to SFWMD and Lake Worth Drainage District for Permitting. The Consultant will request the operational permit, after construction.

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**8. NATURAL GAS:**

If required, the nearest known gas line is a 2" line running east-west along the tunnel north of Building 9 and 52.

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**9. TELECOMMUNICATIONS:**

Tie into the nearest telecom manhole. Confirm plans with the FAU IRM Department. Internal wiring for telecommunication is to be complete by Telecommunication Sub contractor through FAU. All required internal cable trays, conduits and duct banks to be designed by the AE and provided by the construction manager.

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## BT-678 GENERAL CLASSROOM FACILITY

### 10. FIRE ALARM SYSTEM:

A complete fire alarm system including ADA requirements, compatible with existing campus systems will be installed. Provisions will include an automatic dialer directly to the Campus Police.

### 11. ENERGY MANAGEMENT CONTROL SYSTEM:

A complete EMS will be installed, with connections to the existing front end system, located in the Central Utility Plant.

### 12. SITE LIGHTING:

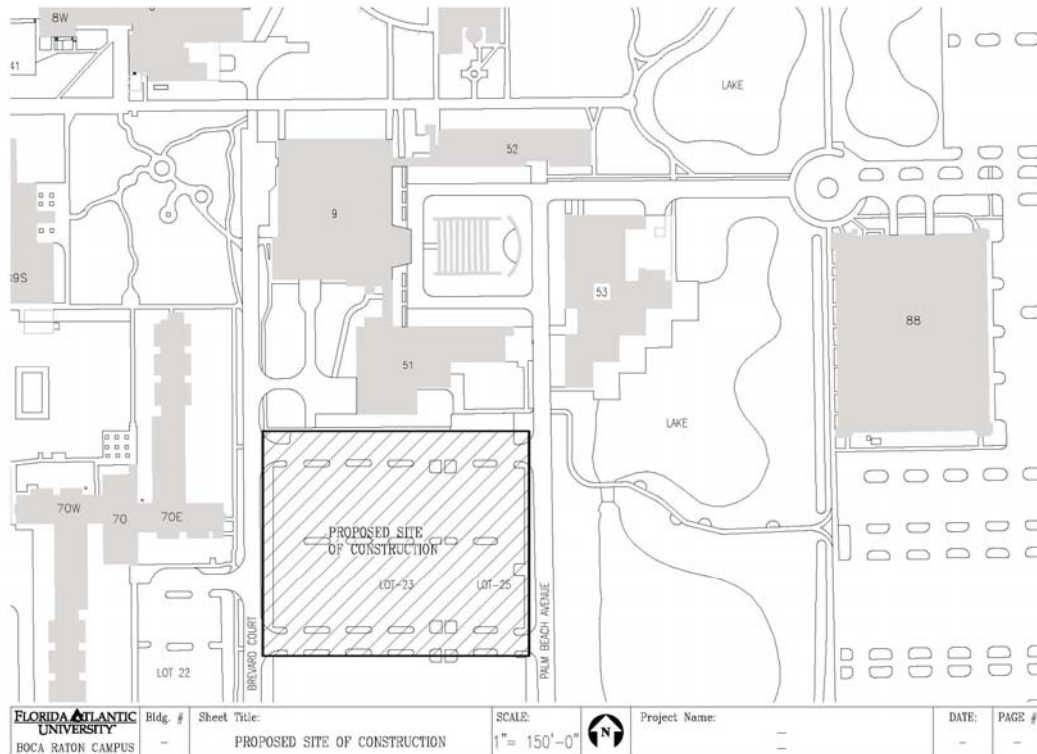
Walkway and site lighting fixtures complying with the campus standards and FAU guidelines for foot-candle levels will be installed, as required by the building footprint.

### 13. SURFACE IMPROVEMENTS:

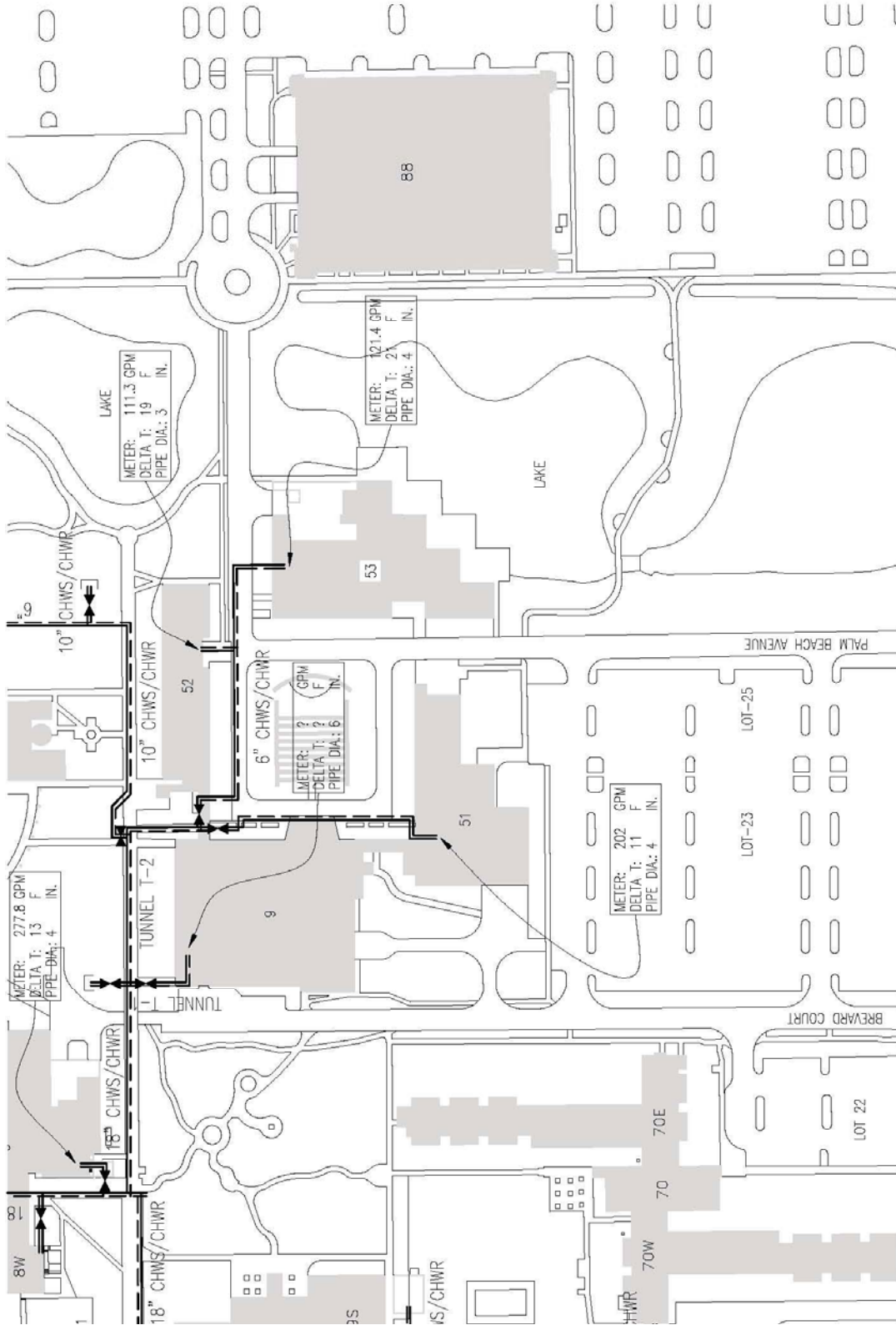
Walkways and landscape will be reconfigured, as required, to provide access through the site, and promote quality outdoor space.

## B. INFRASTRUCTURE MAPS

The following campus infrastructure maps show an estimation of the available utilities and conditions for the sites that are being examined. The information shown is meant for general information purposes only and is not to be used by the consultants or contractors in the actual design or construction of the proposed facility. All utilities and information shown are to be field verified by the AE and CM team prior to design and construction. The drawings are not to scale.

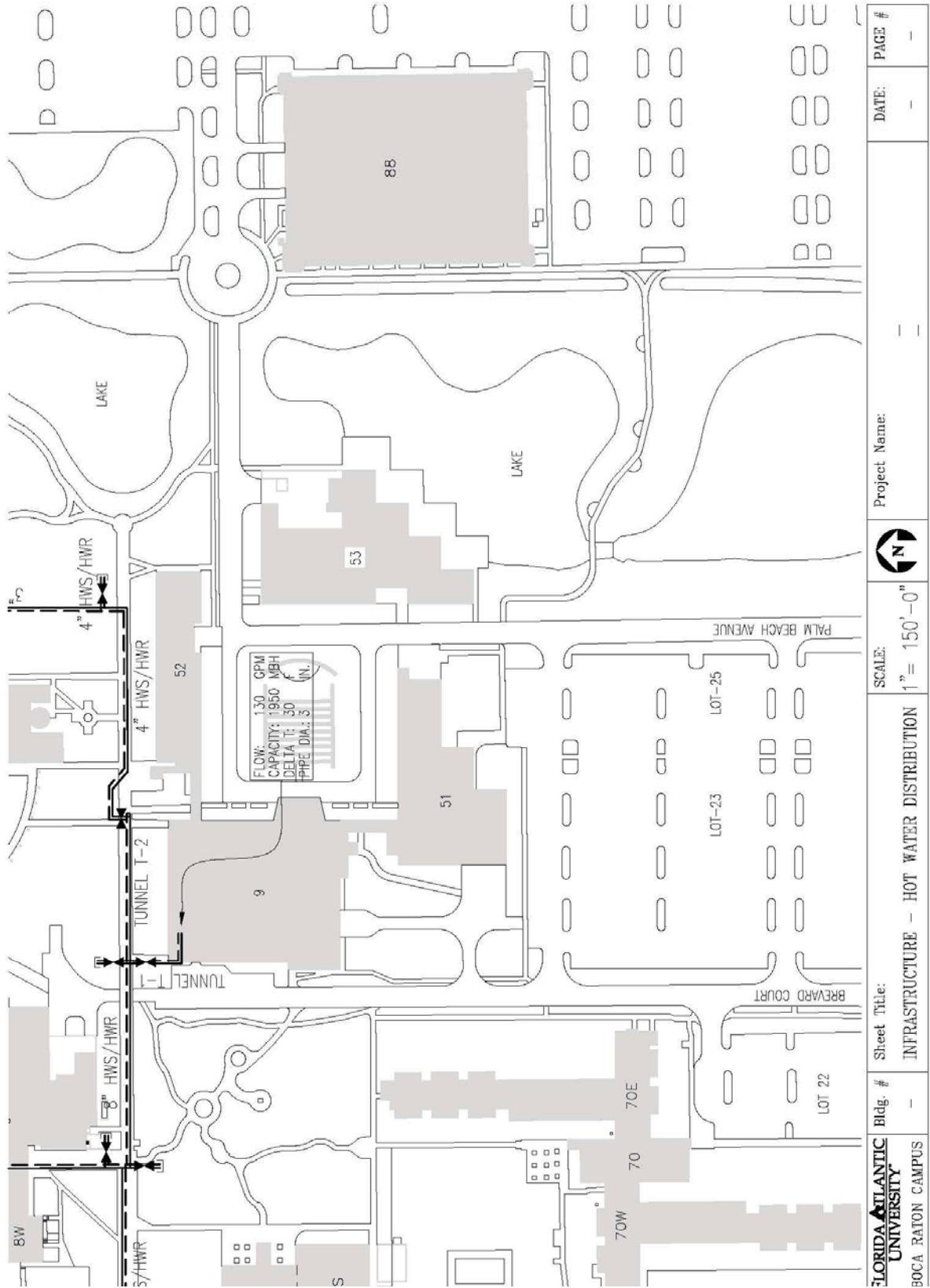


BT-678 GENERAL CLASSROOM FACILITY



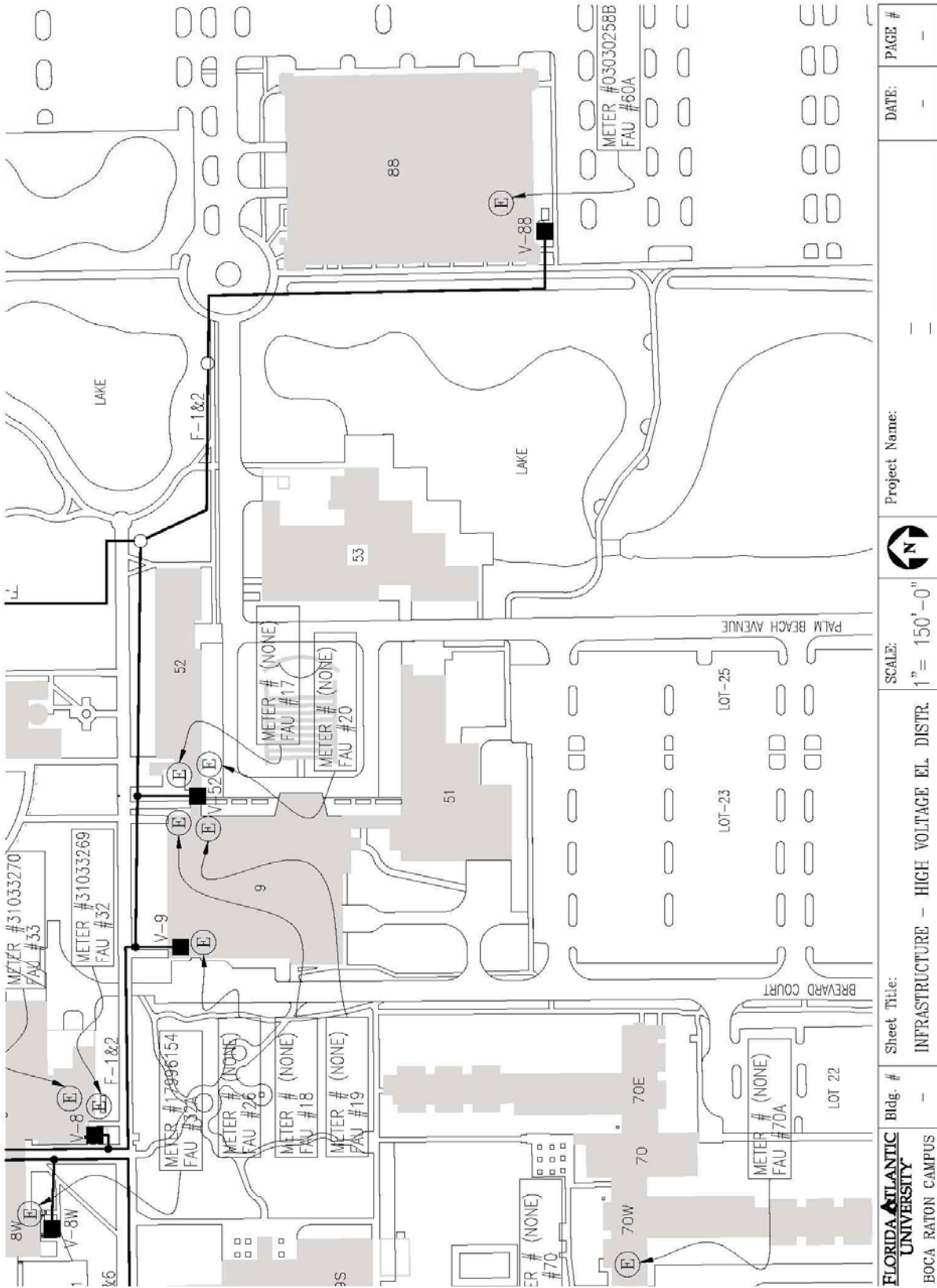
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Sheet #	Sheet Title:	SCALE:	Project Name:	DATE:	PAGE #
-	-	INFRASTRUCTURE - CHILLED WATER DISTR	1" = 150'-0"	-	-	-

# BT-678 GENERAL CLASSROOM FACILITY



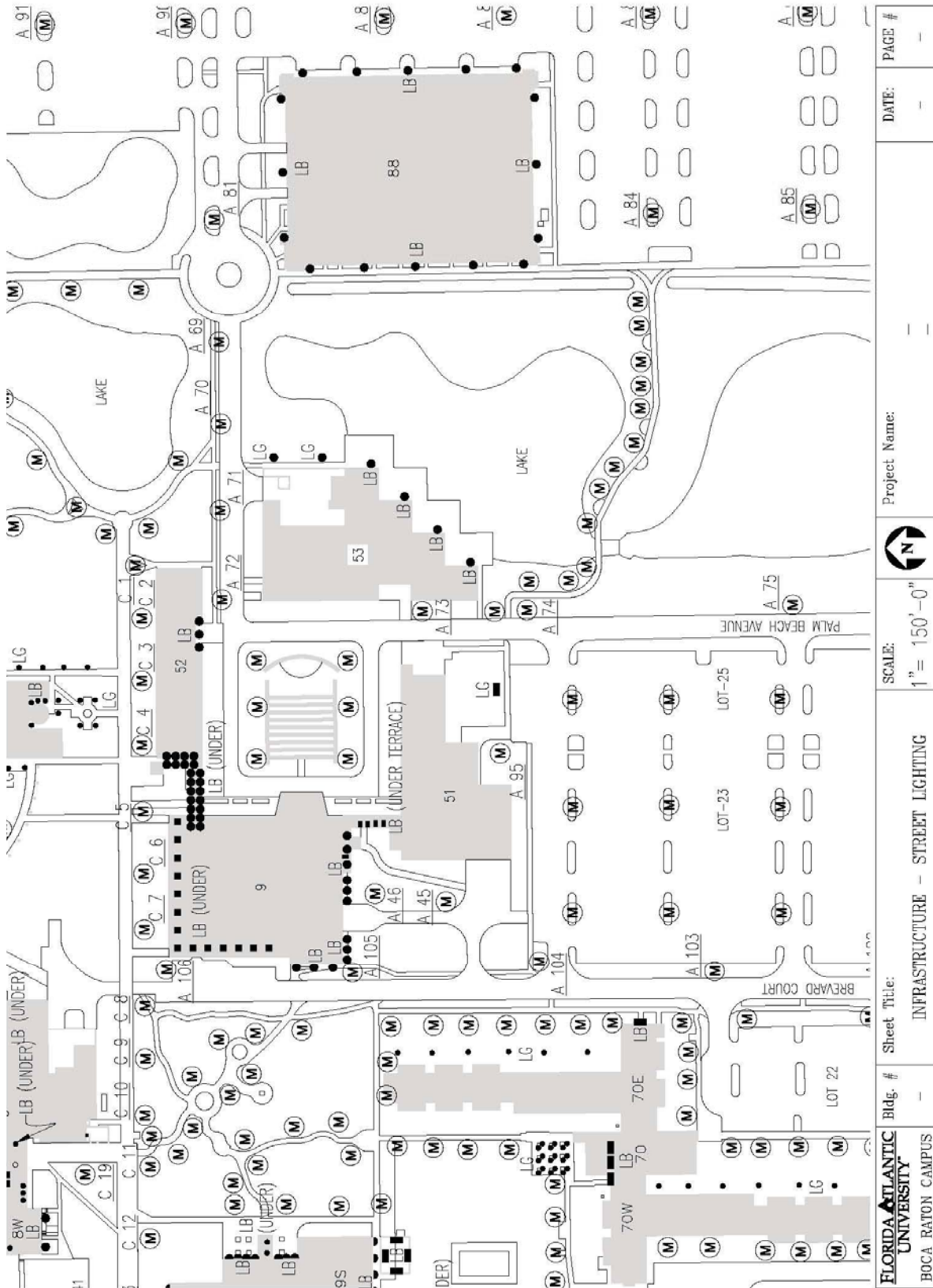
<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - HOT WATER DISTRIBUTION	SCALE: 1" = 150'-0"	 Project Name: <div style="text-align: center;">=</div>	DATE: -	PAGE # -
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# BT-678 GENERAL CLASSROOM FACILITY



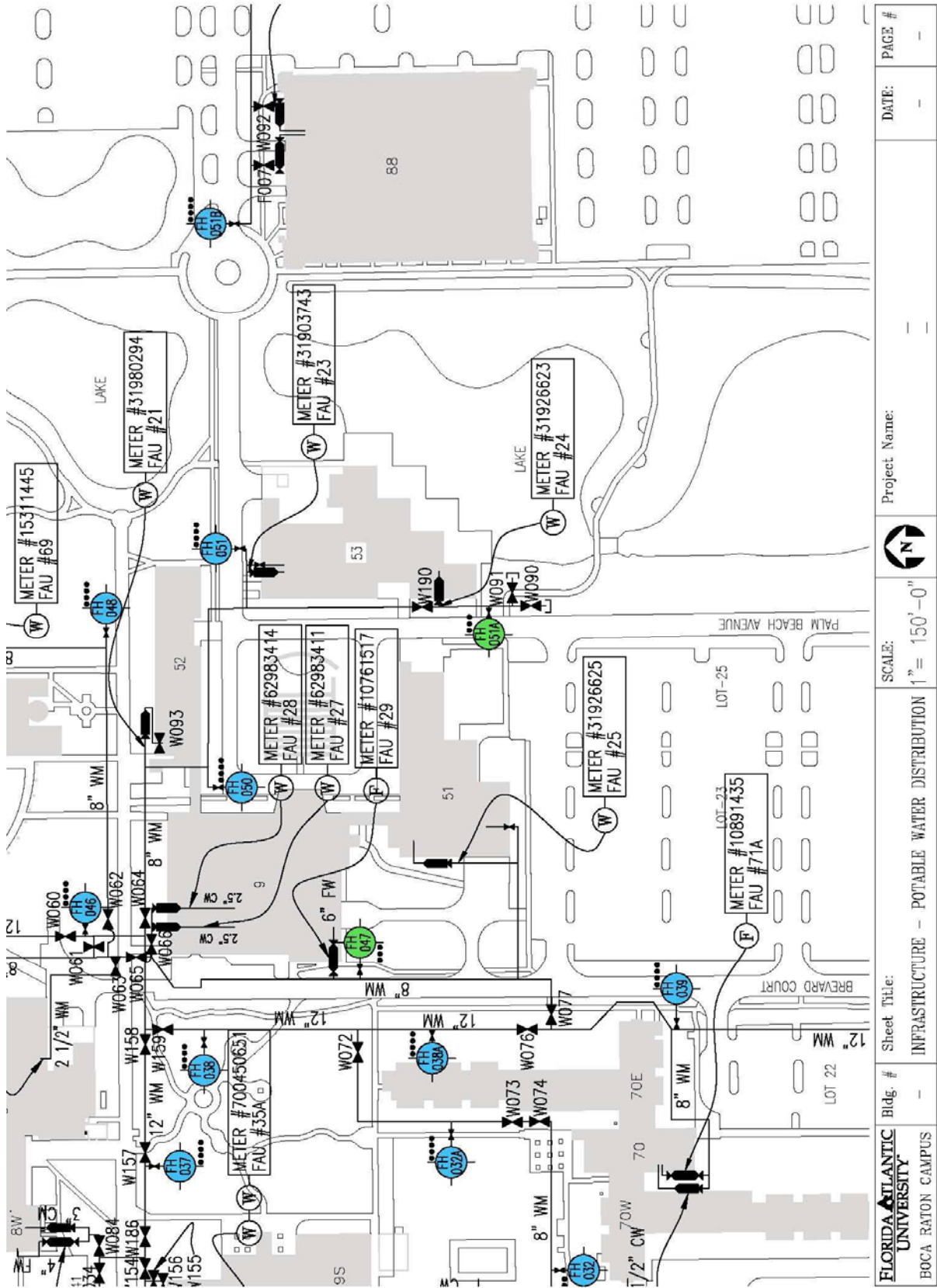
<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Sheet #	Sheet Title:	SCALE:	Project Name:	DATE:	PAGE #
-	-	INFRASTRUCTURE - HIGH VOLTAGE EL. DISTR.	1" = 150'-0"	-	-	-

# BT-678 GENERAL CLASSROOM FACILITY



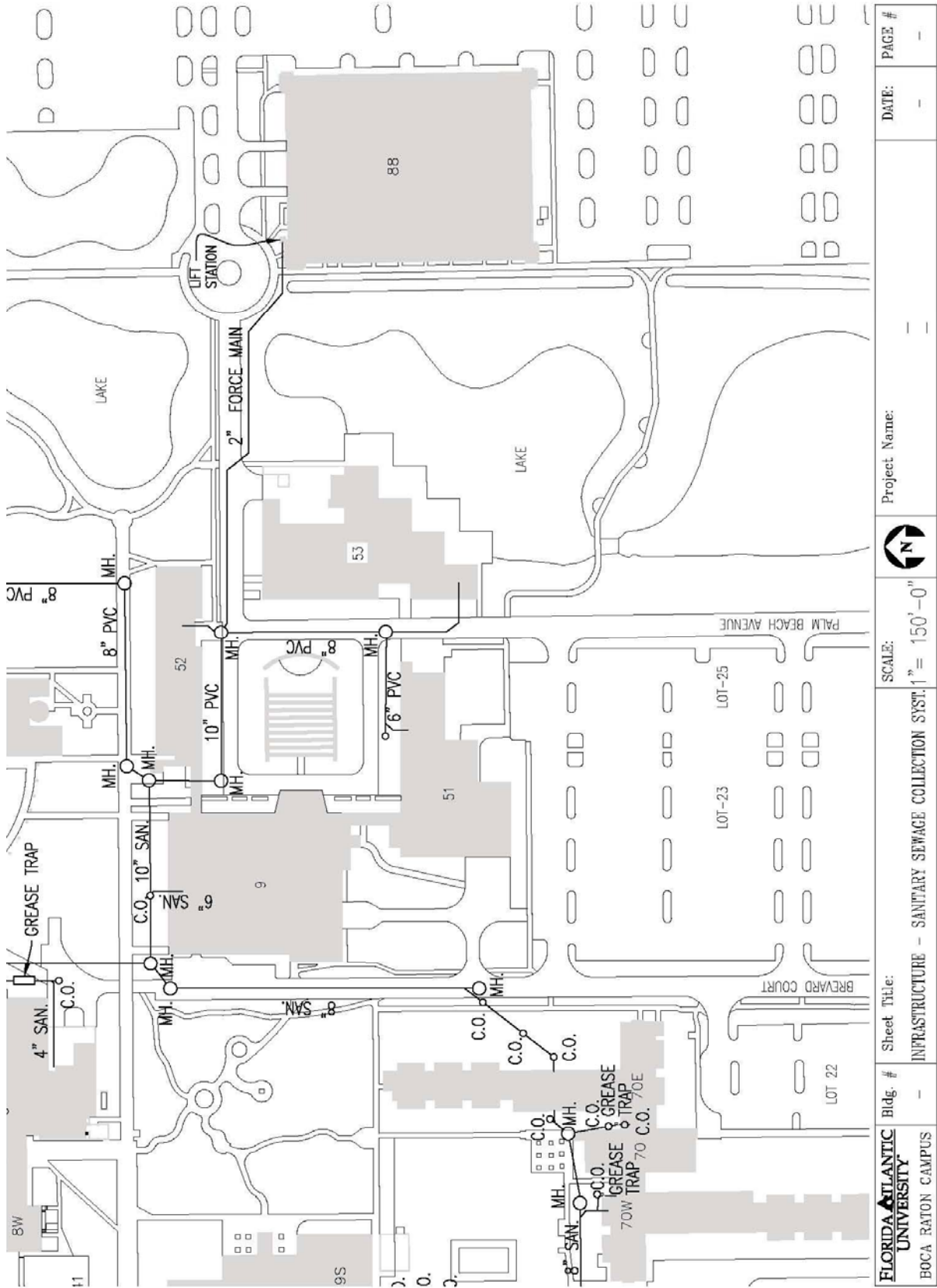
<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. #	-	Sheet Title:	INFRASTRUCTURE - STREET LIGHTING	SCALE:	1" = 150'-0"	Project Name:	-	DATE:	-	PAGE #	-
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# BT-678 GENERAL CLASSROOM FACILITY



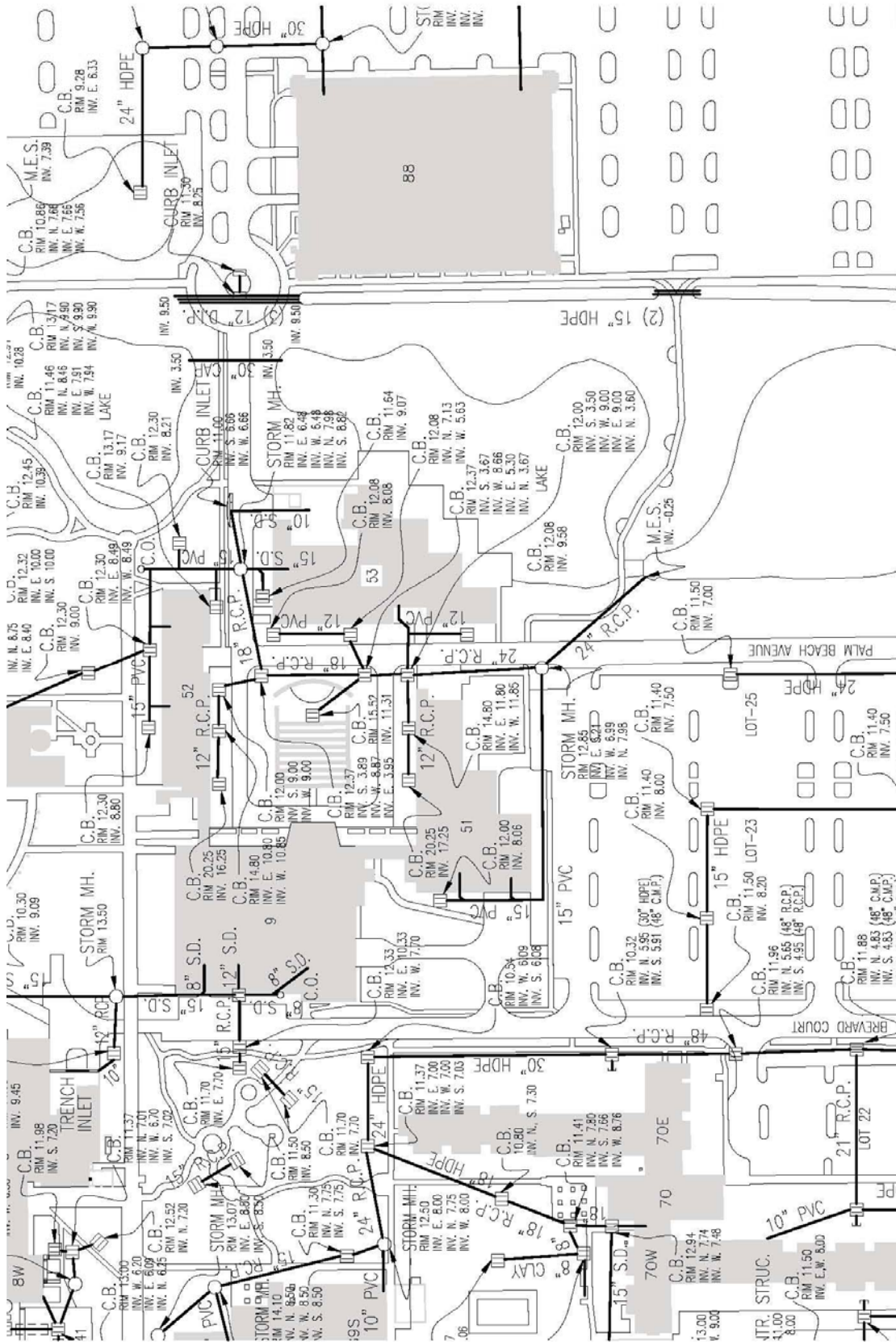
<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. #	-	Sheet Title:	INFRASTRUCTURE - POTABLE WATER DISTRIBUTION	SCALE:	1" = 150'-0"	Project Name:	-	DATE:	-	PAGE #	-
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**BT-678 GENERAL CLASSROOM FACILITY**



<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - SANITARY SEWAGE COLLECTION SYST.	SCALE: 1" = 150'-0"	Project Name: -	DATE: -	PAGE # -
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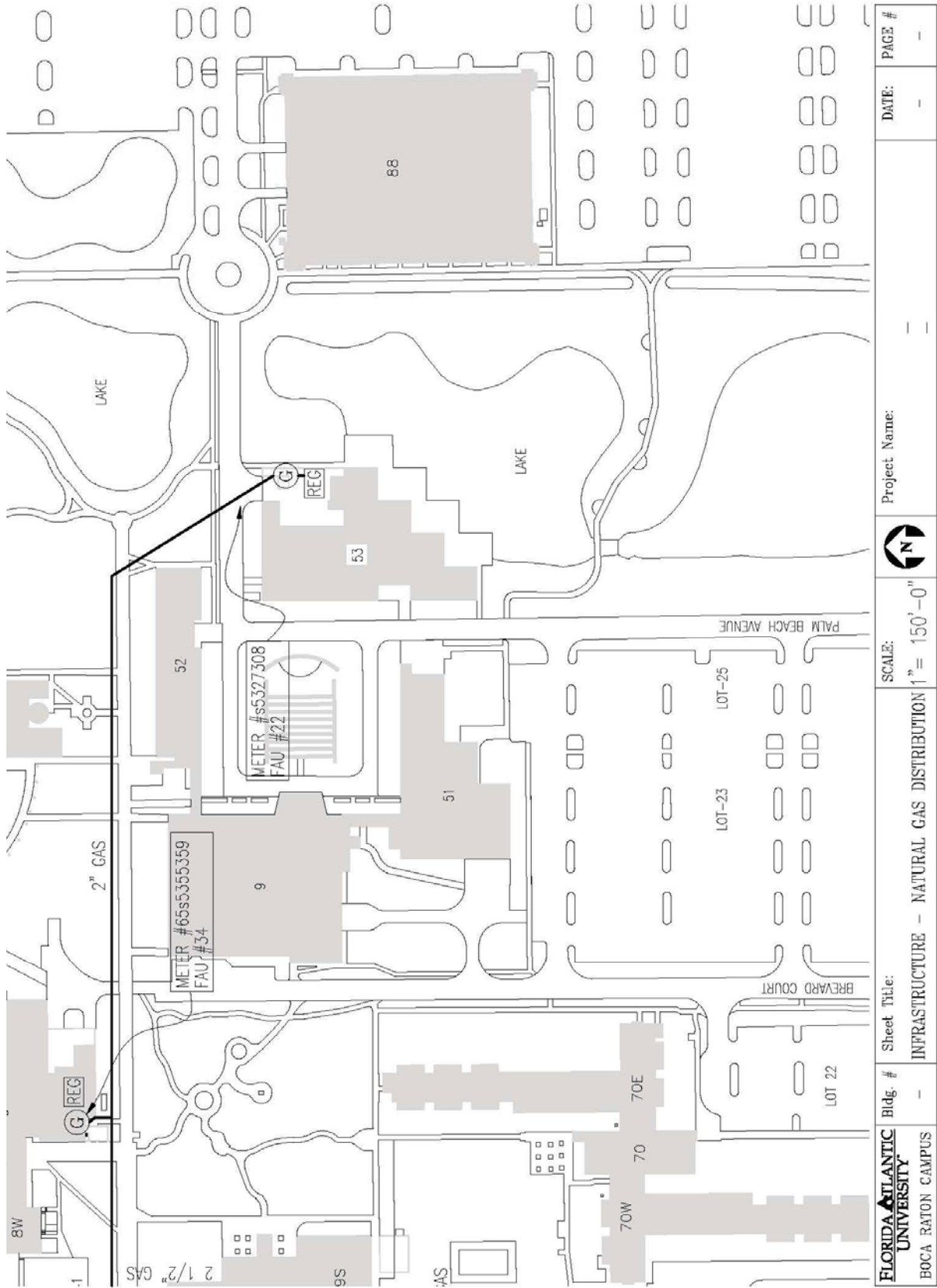
# BT-678 GENERAL CLASSROOM FACILITY



<b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>Bldg. #</b>		<b>Sheet Title:</b>	<b>SCALE:</b>	<b>Project Name:</b>	<b>DATE:</b>	<b>PAGE #</b>
BOCA RATON CAMPUS	-	-	INFRASTRUCTURE - STORMWATER DRAINAGE SYST. 1" = 150'-0"	1" = 150'-0"	BT-678 GENERAL CLASSROOM FACILITY	-	-

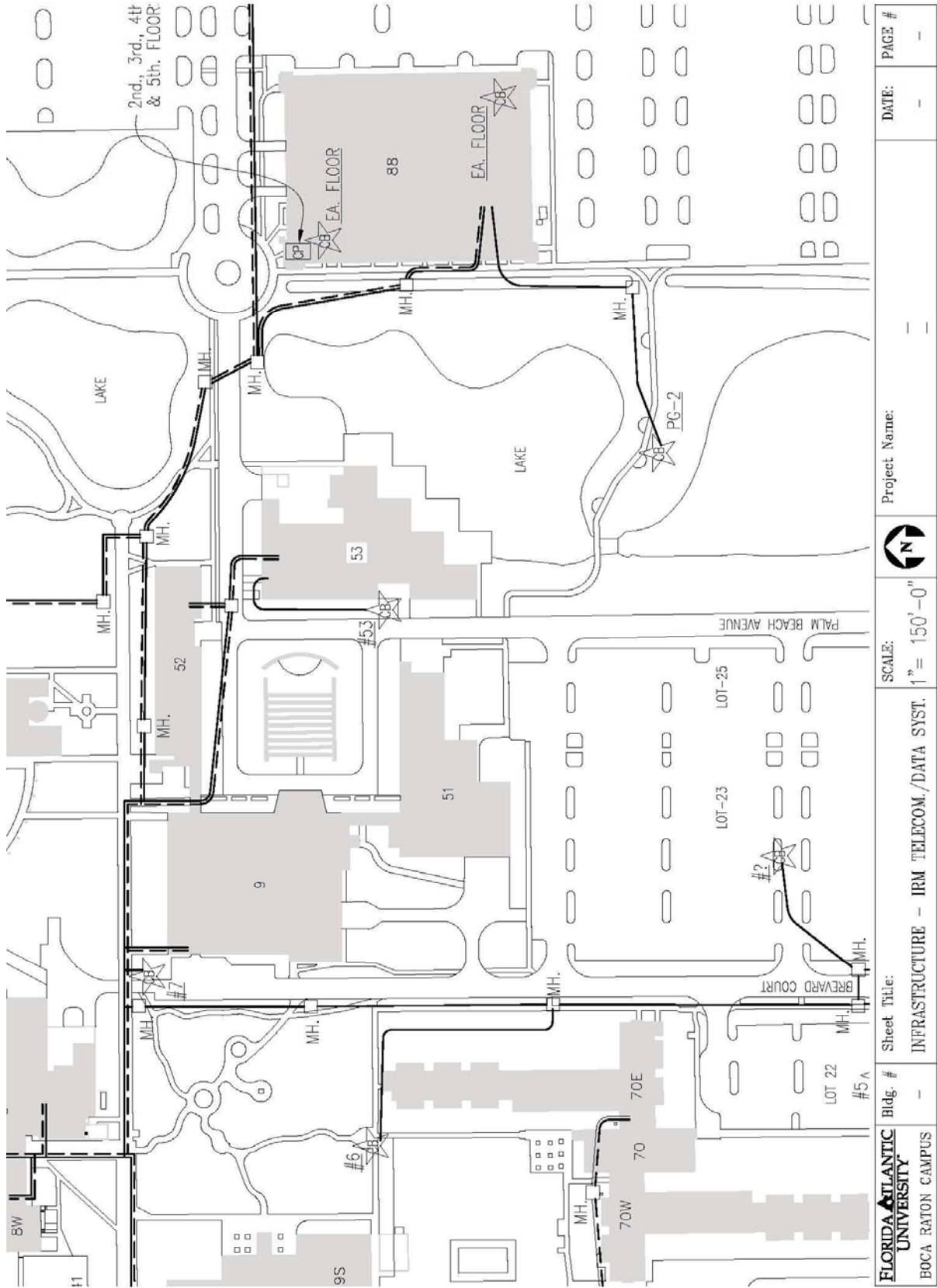


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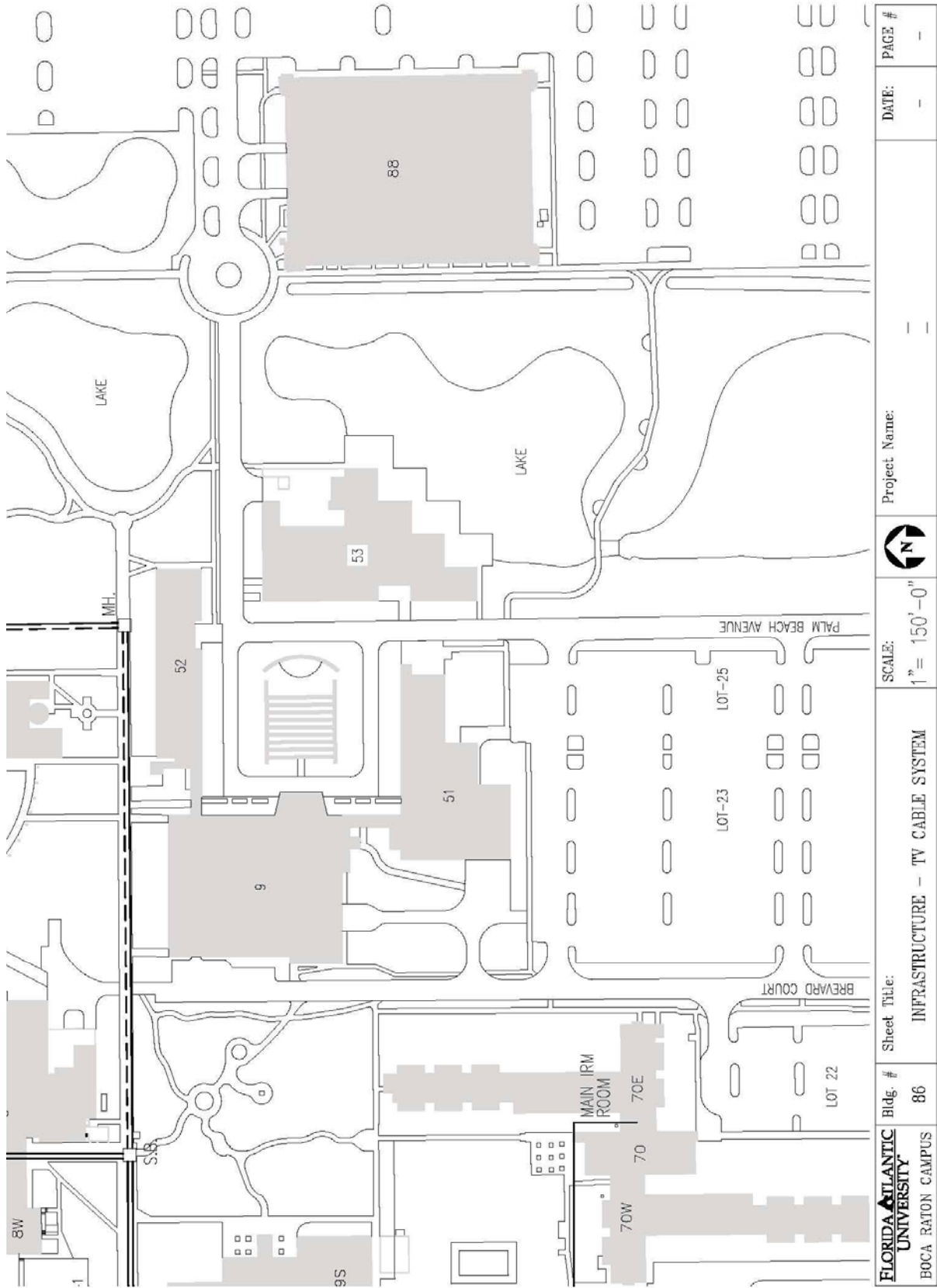
<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - NATURAL GAS DISTRIBUTION 1" = 150'-0"	SCALE: 1" = 150'-0"	Project Name: -	DATE: -	PAGE # -
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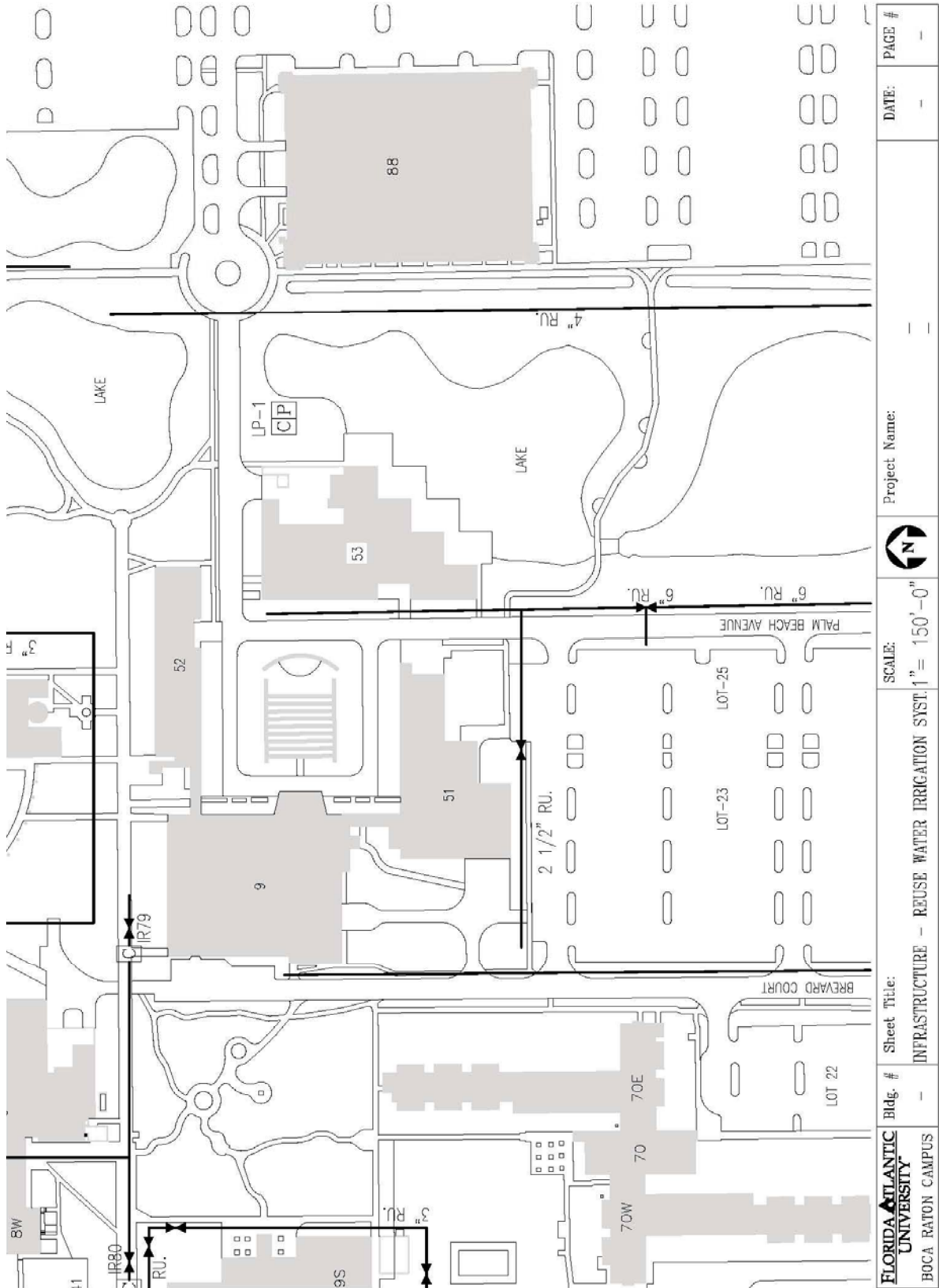


<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Sheet Title: INFRASTRUCTURE - IRM TELECOM./DATA SYST.	SCALE: 1" = 150'-0"	 Project Name: _____	DATE: - -	PAGE # -
Bldg. # -	Sheet Title: INFRASTRUCTURE - IRM TELECOM./DATA SYST.	SCALE: 1" = 150'-0"	Project Name: _____	DATE: - -	PAGE # -

# BT-678 GENERAL CLASSROOM FACILITY



**BT-678 GENERAL CLASSROOM FACILITY**



<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - REUSE WATER IRRIGATION SYST. 1" = 150'-0"	SCALE: 1" = 150'-0"	Project Name: -	DATE: -	PAGE # -
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## **XI. INFORMATION / COMMUNICATIONS RESOURCES REQUIREMENTS**

### **BT-678 GENERAL CLASSROOM FACILITY**

#### **A. UNIVERSITY INFORMATION / COMMUNICATION STANDARD**

All voice and data systems shall comply with Florida Atlantic University's most current specifications for Information Resources Management Communication Infrastructure Specification effective on the date of the Architect/Engineer contract execution. The complete specification is located on the web at:

<http://wise.fau.edu/irm/ts/cblspecs.htm>.

The requirements of the University information/communications standards will be strictly enforced for the design and construction of the proposed facility.

#### **B. UNIVERSITY INFORMATION RESOURCE MANAGER CERTIFICATION**

By signature (on the signature page of this facilities program) the University Information Resource Manager certifies that a review of the University information/communication standards has been completed; and that the facilities program is developed in conformance with the Florida Atlantic University Information/Communication Standards in accordance with the Section 282, F.S.

#### **C. ESTIMATE OF COMMUNICATIONS AND IRM COSTS**

Please see the following page.

The following is a consolidated estimate of IRM costs for this project. Shown in the table is an estimate for the Phase 1 component of the project and in the second column the estimate for the complete project. These costs are included in the project budgets in Section XV of this program.

**BT-678 GENERAL CLASSROOM FACILITY**

Project: BT-678 Boca Raton Classroom Bldg		PHASE 1 ONLY		COMPLETE PROGRAM		
Date Submitted: August 16, 2007						
Required IRM Elements		ELEMENT	AMOUNT	NOTES	AMOUNT	NOTES
Jade	Inside and Outside Plant - voice/data/video	\$ 149,504.00			\$ 226,630.00	
	<b>Total Cabling Infrastructure</b>	<b>\$ 149,504.00</b>			<b>\$ 226,630.00</b>	
Jade	Internal Wireless access points wi installation	\$ 55,800.00	31 APs		\$ 70,200.00	39 APs
	External Wireless access points wi installation	\$ 19,200.00	6 APs		\$ 19,200.00	6 APs
Siemens	Voice Switches/misc.additions	\$ 21,356.00			\$ 21,356.00	
Cisco	Data switches, routers, etc	\$ 175,000.00			\$ 175,000.00	
Voice/Data/Security Misc Vendors						
	Phone sets	\$ 8,765.00			\$ 8,765.00	
	UPS	\$ 5,950.00			\$ 5,950.00	
	Emergency Phone**					
	Inside					
	Outside (Solar Panel wi Pedestal)	\$ 12,975.00			\$ 12,975.00	
	Automatic Lock Down	\$ 35,000.00			\$ 35,000.00	
	Faceplate Allowance					
	BellSouth/PaeTec					
	1FBs	\$ 225.00	3		\$ 225.00	3
	Special Circuits					
	Alarms					
	OPX					
	<b>Total Switching Equipment/Wireless</b>	<b>\$ 334,271.00</b>			<b>\$ 348,671.00</b>	
	IRM Faceplate Allowance	\$ 150.00			\$ 60,000.00	400
	<b>Total Required IRM</b>	<b>\$ 525,025.00</b>			<b>\$ 635,301.00</b>	
<b>End User Options Indicated in Program</b>						
	Vendors (various - no vendor contract)					
	5m Distance Learning Classroom (25-40 seats)					
	Distance Learning Classroom (50+ seats)	\$ 320,000.00	3		\$ 380,000.00	4
	Conf Room wi Video	\$ 41,000.00	1		\$ 245,000.00	7
	Basic Electronic Classroom	\$ 220,000.00	20		\$ 220,000.00	20
	Teaching Auditorium w/o Distance Learning					
	Teaching Auditorium with Distance Learning	\$ -	0		\$ 129,000.00	1
	Cable TV**	\$ 1,540.00	5		\$ 1,540.00	5
	<b>Total Classroom/Conf Rm. Equipment - End User Options</b>	<b>\$ 582,540.00</b>			<b>\$ 975,540.00</b>	
<b>TOTAL PROJECT ESTIMATE</b>						
	Required IRM Elements	\$ 525,025.00			\$ 635,301.00	
	End User Options Indicated in Program	\$ 582,540.00			\$ 975,540.00	
		<b>\$ 1,107,565.00</b>			<b>\$ 1,610,841.00</b>	
<b>NOTES AND ASSUMPTIONS</b>						
	* Not specified in program. Prices provided for planning purposes.					

**A. CODES AND STANDARDS**

The following editions of Codes and Standards (and associated review & permitting process), and University standards, where applicable, shall be followed for the design and construction of the proposed facility. Building codes which are approved at the time of building permit application shall be used for the project.

		<i>DESCRIPTION</i>
<b>Year</b>		<b>Building Codes</b>
1.	2004	Florida Building Code, Building
2.	2004	Florida Building Code, Mechanical
3.	2004	Florida Building Code, Fuel Gas
4.	2004	Florida Building Code, Plumbing
5.	2004	Florida building Code, Test Protocols for High Velocity Hurricane zones
		Section 4A-3.012 Standard of the National Fire Protection Association (Most commonly used Codes and Standards)
Standard	Year	Title
1	2004	Fire Prevention Code
10	2002	Standard for Portable Fire Extinguishers
13	2002	Standard for the Installation of Sprinkler Systems
13R	2002	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and including four stories in Height
14	2003	Standard for the Installation of Standpipe and Hose systems, except 2-7 Shall be omitted
20	2003	Standard for the Installation of Centrifugal Fire Pumps
24	2002	Standard for the Installation of Private Fire Service Mains and Their Appurtenances
25	2002	Standard for the Inspection, Testing & Maintenance of Water Based Fire Protection Systems
30	2003	Flammable and Combustible Liquids Code
45	2004	Standard on Fire Protection for Laboratories Using Chemicals
70	2005	National Electrical Code
72	2002	National Fire Alarm Code
90A	2002	Standard for the installation of Air Conditioning and Ventilating Systems
96	2004	Standard for Ventilation Control and Fire Prevention of Commercial Cooking Operations
101	2003	Life Safety Code
<b>3.13.3</b>		<b>State Fire Marshal</b>
		Requirements for review shall comply with PSG, Exhibit 5; (all inspections, reviews and permitting for University projects shall be coordinated through the University BCA Office)
<b>3.13.4-5</b>		<b>Required Permits</b>
		All Building permits are to be issued by the Building Code Official at FAU Facilities Planning, prior to the start of construction.
3.13.5.2		Department of Business and Professional Regulation, Division of Hotel and restaurants, Bureau of Elevator Inspection for elevator inspections and permit, Department of Health
3.13.5.4		Department of Environmental Protection (DEP), area Branch and NPDES Permits
3.13.5.5		Local Water Management District permit
		<b>Florida Atlantic University Standards</b>
		Florida Atlantic University Cost Containment Guidelines
		FAU Professional Services Guide and Project Manual
		All special requirements as identified in the pre-design conference meeting(s) with the various University agencies (the A/E consultant(s) shall record in meeting minutes).
		<b>Miscellaneous Statutes</b>
		Ratio of facilities for men and women public restrooms of Section 553.14 of Florida Statutes

*Note: All reference to codes shall mean the latest editions adopted through legislation for use in state owned/leased buildings as described in the Florida Statues sections 471, 481 and 553s*

**XIII. PROJECT SCHEDULE****BT-678 GENERAL CLASSROOM FACILITY**

CONSTRUCTION MANAGEMENT PROJECT DELIVERY METHOD The University preference is the CM process with a GMP submittal at the conclusion of design phase adequate for obtaining a GMP. The preliminary schedule below reflects a normal single phase project approach. The actual PECO funding for this project may require a phased construction that could result in a longer overall schedule and later completion date.

GOALS AND MILESTONES	DURATION	START DATE	END DATE	
<b>PROGRAM APPROVAL</b>	<b>15 weeks</b>	<b>01-Aug-2007</b>	<b>14-Nov-2007</b>	<b>0.3 Years</b>
Facilities Program Development	10 weeks	01-Aug-2007	10-Oct-2007	
University Facilities Program & Advertisement Approval	5 weeks	10-Oct-2007	14-Nov-2007	
<b>A/E SELECTION PROCESS</b>	<b>12 weeks</b>	<b>14-Nov-2007</b>	<b>06-Feb-2008</b>	<b>0.2 Years</b>
Advertise for A/E in FAW	4 weeks	14-Nov-2007	12-Dec-2007	
A/E Short-list	2 weeks	12-Dec-2007	26-Dec-2007	
A/E Interviews	3 weeks	26-Dec-2007	16-Jan-2008	
Contract Negotiations with A/E	3 weeks	16-Jan-2008	06-Feb-2008	
<b>C/M SELECTION PROCESS</b>	<b>12 weeks</b>	<b>14-Nov-2007</b>	<b>06-Feb-2008</b>	<b>0.2 Years</b>
Advertise for C/M in FAW	4 weeks	14-Nov-2007	12-Dec-2007	
C/M Short-list	3 weeks	12-Dec-2007	02-Jan-2008	
C/M Interviews	2 weeks	02-Jan-2008	16-Jan-2008	
Contract negotiations with C/M	3 weeks	16-Jan-2008	06-Feb-2008	
<b>DESIGN PHASE</b>	<b>31 weeks</b>	<b>06-Feb-2008</b>	<b>10-Sep-2008</b>	<b>0.6 Years</b>
Conceptual Design	3 weeks	06-Feb-2008	27-Feb-2008	
University review and approval	1 weeks	27-Feb-2008	05-Mar-2008	
Schematic Design	3 weeks	05-Mar-2008	26-Mar-2008	
University review and approval	2 weeks	26-Mar-2008	09-Apr-2008	
Design Development and Budget verification	4 weeks	09-Apr-2008	07-May-2008	
University review and approval	2 weeks	07-May-2008	21-May-2008	
50% Construction Documents and Budget update	5 weeks	21-May-2008	25-Jun-2008	
University review and approval	1 weeks	25-Jun-2008	02-Jul-2008	
100% Construction Documents and Budget update	5 weeks	02-Jul-2008	06-Aug-2008	
University review and approval	3 weeks	06-Aug-2008	27-Aug-2008	
Submittal of GMP	3 weeks	06-Aug-2008	27-Aug-2008	
GMP Review & Negotiations	2 weeks	27-Aug-2008	10-Sep-2008	
Design Review submittal to State Fire Marshal (SFM)	4 weeks	06-Aug-2008	03-Sep-2008	
<b>CONSTRUCTION PHASE</b>	<b>48 weeks</b>	<b>10-Sep-2008</b>	<b>12-Aug-2009</b>	<b>0.9 Years</b>
Notice to Proceed	1 weeks	10-Sep-2008	17-Sep-2008	
Construction	44 weeks	17-Sep-2008	22-Jul-2009	
Substantial Completion	1 weeks	22-Jul-2009	29-Jul-2009	
Punchlist Corrective Work & Final Completion	1 weeks	29-Jul-2009	05-Aug-2009	
Owner FF&E Move In	1 weeks	05-Aug-2009	12-Aug-2009	
Owner Occupancy		12-Aug-2009		
<b>Total</b>	<b>106 weeks</b>	<b>01-Aug-2007</b>	<b>12-Aug-2009</b>	<b>2.0 Years</b>



**A. ESTIMATED FUNDING**

This project was originally listed in FAU's 2007-08 Five-Year CIP as a \$20,594,000 Project. The College of Arts and Letters building was also listed as a \$2,000,000 Project. Both projects were funded per the table below, which also reflects the Board of Governors' last three year PECO Project List (See Appendix). The Arts and Letters Addition and the General Classroom Facility will be combined into one project to gain the cost advantages of a single project. The yellow highlighting illustrates money that is already funded. Until additional funds are committed, the project will comprise the elements in the program for Phase 1.

<b>CURRENT FUNDING</b>	
2007-2008 PECO (P,C,E) (College of Arts & Letters Addition - to be combined)	\$ 2,000,000.00
2007-2008 PECO (P,C) (General Classroom Facility)	\$10,348,000.00
2008-2009 PECO (C)	\$4,931,733.00
2009-2010 PECO (C,E)	\$5,314,267.00
<b>TOTAL PROJECT FUND</b>	<b>\$ 22,594,000.00</b>

FAU has submitted its 2008-09 Five Year CIP with an increase to the total project. Please see the 2008 -2010 lines on the table below.

<b>MODIFIED FUNDING</b>	
2007-2008 PECO (P,C,E) (College of Arts & Letters Addition - to be combined)	\$ 2,000,000.00
2007-2008 PECO (P,C) (General Classroom Facility)	\$10,348,000.00
2008-2009 PECO (C)	\$18,546,000.00
2009-2010 PECO (C,E)	\$5,504,000.00
<b>TOTAL PROJECT FUND</b>	<b>\$ 36,398,000.00</b>

If this money is appropriated in a timely fashion, the complete building program of 90,000 gross square foot can be built. Because it will not be known, until at least the spring of 2008, how the funding will be released, the project will most likely be designed in 2 phases. The AE will be required to master plan the site and produce an advanced schematic design for the entire project, producing a phased construction plan and construction documents for phase I. As the remaining funds become available, The AE will be asked to produce documents for the remaining portions of the building.

**BT-678 GENERAL CLASSROOM FACILITY**

**C. ESTIMATED BUDGET SUMMARY**

**Budget for Phase 1 of the Facility per the Phase 1 Program of 54,658 GSF**

<b>ESTIMATED BUDGET SUMMARY - PHASE 1</b>				
<b>1</b>	<b>Construction Costs</b>	<b>GSF</b>	<b>\$/GSF</b>	<b>Total \$</b>
a.	Construction Costs	54,658	246.93	\$13,496,700.00
b.	Additional/Extraordinary Construction Costs		33.81	\$1,848,000.00
c.	Inflation Escalation		32.17	\$1,758,300.00
	<b>Sub Total Construction Costs</b>	<b>54,658</b>	<b>312.91</b>	<b>\$17,103,000.00</b>
<b>2</b>	<b>Other Project Costs</b>			
a.	Land/existing facility acquisition/Relocations			\$0.00
b.	Professional Fees			\$ 1,388,800.00
c.	Fire Marshal Fees			\$42,800.00
d.	Inspection Services			\$117,800.00
e.	Insurance Consultant			\$10,900.00
f.	Surveys and Tests			\$18,000.00
g.	Permit/Impact/Environmental Fees			\$5,000.00
h.	Art Work			\$85,500.00
i.	Movable Furnishings & Equipment			\$1,431,900.00
j.	IRM Costs			\$1,107,600.00
k.	Project Contingencies			\$1,026,200.00
l.	Campus Infrastructure			\$256,500.00
	<b>Sub Total Other Project Costs</b>		<b>100.46</b>	<b>\$5,491,000.00</b>
	<b>TOTAL PROJECT BUDGET</b>	<b>54,658</b>	<b>413.37</b>	<b>\$22,594,000.00</b>

**Budget for the complete facility based on the full 90,000 GSF Program**

<b>ESTIMATED BUDGET SUMMARY - COMPLETE BUILDING PROGRAM</b>				
<b>1</b>	<b>Construction Costs</b>	<b>GSF</b>	<b>\$/GSF</b>	<b>Total \$</b>
a.	Construction Costs	89,948	245.35	\$22,068,500.00
b.	Additional/Extraordinary Construction Costs		23.01	\$2,070,000.00
c.	Inflation Escalation		30.75	\$2,765,900.00
	<b>Sub Total Construction Costs</b>	<b>89,948</b>	<b>299.11</b>	<b>\$26,904,400.00</b>
<b>2</b>	<b>Other Project Costs</b>			
a.	Land/existing facility acquisition/Relocations			\$0.00
b.	Professional Fees			\$ 2,180,000.00
c.	Fire Marshal Fees			\$67,300.00
d.	Inspection Services			\$183,600.00
e.	Insurance Consultant			\$17,100.00
f.	Surveys and Tests			\$18,000.00
g.	Permit/Impact/Environmental Fees			\$5,000.00
h.	Art Work			\$100,000.00
i.	Movable Furnishings & Equipment			\$3,293,900.00
j.	IRM Costs			\$1,610,800.00
k.	Project Contingencies			\$1,614,300.00
l.	Campus Infrastructure			\$403,600.00
	<b>Sub Total Other Project Costs</b>		<b>105.55</b>	<b>\$9,493,600.00</b>
	<b>TOTAL PROJECT BUDGET</b>	<b>89,948</b>	<b>404.66</b>	<b>\$36,398,000.00</b>

**XV. PROJECT BUDGET SUMMARY**

**BT-678 GENERAL CLASSROOM FACILITY**

PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)

The following estimate establishes the project budget for Phase 1 in detail. It reflects the estimated project costs for a 54,600 square foot building, based on receiving the current funding shown in Funding Section XIV.

<b>Project: GENERAL CLASSROOM FACILITY - PHASE 1</b>					<b>8/20/2007</b>
<b>3</b>					
Fill in the Yellow shaded area only		Return to:	<a href="#">XV, Summary</a>	Worksheets:	<a href="#">Schedule</a>
Automatic entry in Light Green			<a href="#">IX, Program</a>		<a href="#">Program</a>
PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)					
<b>Inflation Adjustment</b>	<b>1.5</b>	Years @	<b>7.50 %</b>	Effective Rate	<b>7.64 %</b>
<b>Construction Phase Duration</b>	<b>1</b>	Years			
<b>Design Phase Duration</b>	<b>1</b>	Years		<b>Estimated Budget</b>	<b>\$ 22,594,000.00</b>
				<b>Target Budget</b>	<b>\$ 22,594,000.00</b>
<b>SPACESUMMATION</b> (from Section IX of Facilities Program)					
<b>Program Space Type (New Construction)</b>	<b>NASF</b>	<b>Factor</b>	<b>GSF</b>	<b>\$ / GSF</b>	<b>Costs in \$</b>
Classrooms	27,520	1.45	39,904	177.99	\$7,102,512.96
Offices	10,175	1.45	14,754	172.02	\$2,537,940.08
Auditorium/Exhibit	-	1.45	-	183.22	\$0.00
Avg. Construction Cost				\$ 176.38	
Subtotal Building Construction (SUS)	37,695	1.45	54,658	<i>Rounded to 100</i>	<b>\$9,640,500.00</b>
<b>1 CONSTRUCTION COSTS</b> (Reference: SUS CM-D-38.00-09/97, Attachment 1-B)					
<b>a. Building Construction Cost</b>		<b>Units</b>		<b>Unit Cost</b>	<b>Costs in \$</b>
New Construction Cost	54,658	GSF		\$176.38	\$9,640,500.00
Esc Factor over SUS Allowance to Present Costs	40%	Allowance		\$70.55	\$3,856,200.00
Building Demolition	-	GSF		\$0.00	\$0.00
<b>Sub-Total Building Construction Costs (today's \$\$)</b>				<b>\$246.93</b>	<b>\$13,496,700.00</b>
<b>b. Additional/Extraordinary Construction Cost</b>		<b>Units</b>		<b>Unit Cost</b>	
Environmental Impacts Mitigation	0	Allowance		\$0.00	
Site Preparation/Demolition	0	Allowance		\$0.00	
Landscape/Irrigation	1	Allowance		\$80,000.00	
Plazas/Walks/Bikepaths	1	Allowance		\$50,000.00	
Roadway Improvements	1	Allowance		\$100,000.00	
Parking Replacement (on-grade)	160	Cars	2,800	\$448,000.00	
Built-in Auditorium seating	0	Seats @	\$ 300.00	\$0.00	
Electrical Services	1	Allowance		\$80,000.00	
Water Distribution	1	Allowance		\$80,000.00	
Sanitary Sewer System	1	Allowance		\$120,000.00	
Chilled Water System	1	Allowance		\$750,000.00	
Storm Water System	1	Allowance		\$60,000.00	
Telecomm Trench and conc encased conduits	1	Allowance		\$80,000.00	
<b>Sub-Total Add/Extra Construction Costs</b>				<i>Round to 100</i>	<b>\$1,848,000.00</b>
<b>TOTAL CONSTRUCTION COSTS - BUILDINGS and SITE DEVELOPMENT</b>				280.74	<b>\$15,344,700.00</b>
<b>Inflation Adjustment</b>					<b>\$1,758,300.00</b>
<b>TOTAL CONSTRUCTION BUDGET</b>				\$ 312.91	<b>\$17,103,000.00</b>
<i>Approximate building only construction cost with inflation adjustment:</i>				275.23	<i>\$15,043,243.60</i>

Please see next page for Other Project Costs for Phase 1.

**BT-678 GENERAL CLASSROOM FACILITY**

2 OTHER PROJECT COSTS Add or delete following items as required.				Costs	Subtotals (rounded)
<b>a.</b>	<b>Land/Existing Facility Acquisition/Relocation</b>			\$0.00	
	<b>Subtotal Land/Existing Facility Acquisition/Relocation</b>				<b>\$0.00</b>
<b>b.</b>	<b>Professional Fees</b>				
	A/E Fees (Curve D: Average Complexity)	5.81 %		\$993,684.30	
	Civil & Engineering Fee (10% of A/E Fee)	10.00 %		\$99,368.43	
	Landscape Design Fee (5% of A/E fee)	5.00 %		\$49,684.22	
	Building Commissioning (T&B)	1 Allowance		\$ 30,000.00	
	Site master planning	1 Allowance		\$ 25,000.00	
	Misc Other Fees	1 Allowance		\$ 20,000.00	
	C/M Pre-Construction Services Fee	1.00 %		\$ 171,030.00	
	<b>Sub-Total Professional Fees</b>				<b>\$ 1,388,800.00</b>
<b>c.</b>	<b>State Fire Marshal Review and Inspection</b>	0.25 %		\$42,757.50	<b>\$42,800.00</b>
<b>d.</b>	<b>Inspection Services</b>				
	Roofing Inspection	1 Allowance		\$6,207.48	
	Threshold Inspection	1 Allowance		\$12,000.00	
	Code Compliance Inspection (weekly)	0.575% of Bldg Construction Cost		\$86,500.00	
	Plan Review (Code Compliance Inspection)	0.075% of Bldg Construction Cost		\$11,300.00	
	<b>Sub-Total Inspection Services</b>				<b>\$117,800.00</b>
<b>e.</b>	<b>Risk Management / Insurance Consultant</b>	0.06 %		\$10,261.80	<b>\$10,900.00</b>
<b>f.</b>	<b>Surveys &amp; Tests</b>				
	Topographical/Site Survey	1 Allowance		\$10,000.00	
	Geotechnical Testing	1 Allowance		\$8,000.00	
	<b>Sub-Total Surveys &amp; Tests</b>				<b>\$18,000.00</b>
<b>g.</b>	<b>Permit/Impact/Environmental Fees</b>				
	Environmental (SFWM)	1 Allowance		\$5,000.00	
	<b>Sub-Total Permits/Impact Fees</b>				<b>\$5,000.00</b>
<b>h.</b>	<b>Art in State Building (Section 255.043, F.S.)</b>	0.5 %	100K Maximum	\$85,515.00	<b>\$85,500.00</b>
<b>i.</b>	<b>Movable Furniture &amp; Equipment</b>				
	FFE - Equipment, computers, etc.	4.0%		\$684,120.00	
	FFE - Furniture	4.0%		\$684,120.00	
	FFE - Miscellaneous			\$29,500.00	
	FFE - Equipment - Custodial & Card Access	0.2 %		\$34,206.00	
	<b>Subtotal Moveable Furniture &amp; Equipment (FFE)</b>				<b>\$1,431,900.00</b>
<b>j.</b>	<b>IRM &amp; Costs - See Section XI for more detail</b>				
	IRM Cabling Infrastructure	1 Allowance	Phase 1 only	\$149,504.00	
	IRM Switching Equipment/Wireless	1 Allowance		\$334,271.00	
	IRM Class/Conf Rm Equipmt - End User Options	1 Allowance		\$582,540.00	
	IRM Faceplate Allowance	275 # of Drops	\$150.00	\$41,250.00	
	<b>Sub-Total IRM Costs</b>				<b>\$1,107,600.00</b>
<b>k.</b>	<b>Project Contingency</b>	6 %		\$1,026,180.00	<b>\$1,026,200.00</b>
<b>l.</b>	<b>Campus Infrastructure</b>	1.5 %		\$256,545.00	<b>\$256,500.00</b>
	<b>TOTAL OTHER PROJECT COSTS</b>				<b>\$5,491,000.00</b>
	<b>TOTAL PROJECT BUDGET COST ESTIMATE</b>			\$413.37	<b>\$22,594,000.00</b>

End of Phase 1 Budget Detail.

**BT-678 GENERAL CLASSROOM FACILITY**

The following estimate establishes the project budget for the complete building program in detail. It reflects the estimated costs for a 90,000 square foot building, based on receiving the modified funding shown in Funding Section XIV.

<b>Project: GENERAL CLASSROOM FACILITY</b>					<b>8/16/2007</b>
<b>3</b>					
Fill in the Yellow shaded area only		Return to:	<a href="#">XV, Summary</a>	Worksheets:	<a href="#">Schedule</a>
Automatic entry in Light Green			<a href="#">IX, Program</a>		<a href="#">Program</a>
PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)					
<b>Inflation Adjustment</b>	<b>1.5</b>	Years @	<b>7.50 %</b>	Effective Rate	<b>7.64 %</b>
<b>Construction Phase Duration</b>	<b>1</b>	Years			
<b>Design Phase Duration</b>	<b>1</b>	Years		<b>Estimated Budget</b>	<b>\$ 36,398,000.00</b>
				<b>Target Budget</b>	<b>\$ 36,398,000.00</b>
<b>SPACESUMMATION</b> (from Section IX of Facilities Program)					
<b>Program Space Type (New Construction)</b>	<b>NASF</b>	<b>Factor</b>	<b>GSF</b>	<b>\$ / GSF</b>	<b>Costs in \$</b>
Classrooms	25,400	1.5	38,100	177.99	\$6,781,419.00
Offices	30,815	1.5	46,223	172.02	\$7,951,194.45
Auditorium/Exhibit	3,750	1.5	5,625	183.22	\$1,030,612.50
Avg. Construction Cost				\$ 175.25	
Subtotal Building Construction (SUS)	59,965	1.50	89,948	<i>Rounded to 100</i>	<b>\$15,763,200.00</b>
<b>1 CONSTRUCTION COSTS</b> (Reference: SUS CM-D-38.00-09/97, Attachment 1-B)					
<b>a. Building Construction Cost</b>		<b>Units</b>		<b>Unit Cost</b>	<b>Costs in \$</b>
New Construction Cost	89,948	GSF		\$175.25	\$15,763,200.00
Esc Factor over SUS Allowance to Present Costs	40%	Allowance		\$70.10	\$6,305,280.00
Building Demolition	-	GSF		\$0.00	\$0.00
<b>Sub-Total Building Construction Costs (today's \$\$)</b>				<b>\$245.35</b>	<b>\$22,068,500.00</b>
<b>b. Additional/Extraordinary Construction Cost</b>		<b>Units</b>		<b>Unit Cost</b>	
Environmental Impacts Mitigation	0	Allowance		\$0.00	
Site Preparation/Demolition	0	Allowance		\$0.00	
Landscape/Irrigation	1	Allowance		\$100,000.00	
Plazas/Walks/Bikepaths	1	Allowance		\$50,000.00	
Roadway Improvements	1	Allowance		\$100,000.00	
Parking Replacement (on-grade)	200	Cars	2,800	\$560,000.00	
Built-in Auditorium seating	300	Seats @	\$ 300.00	\$90,000.00	
Electrical Services	1	Allowance		\$80,000.00	
Water Distribution	1	Allowance		\$80,000.00	
Sanitary Sewer System	1	Allowance		\$120,000.00	
Chilled Water System	1	Allowance		\$750,000.00	
Storm Water System	1	Allowance		\$60,000.00	
Telecomm Trench and conc encased conduits	1	Allowance		\$80,000.00	
<b>Sub-Total Add/Extra Construction Costs</b>				<i>Round to 100</i>	<b>\$2,070,000.00</b>
<b>TOTAL CONSTRUCTION COSTS - BUILDINGS and SITE DEVELOPMENT</b>				268.36	<b>\$24,138,500.00</b>
<b>Inflation Adjustment</b>					<b>\$2,765,900.00</b>
<b>TOTAL CONSTRUCTION BUDGET</b>				\$ 299.11	<b>\$26,904,400.00</b>
<i>Approximate building only construction cost with inflation adjustment:</i>				273.46	<i>\$24,597,209.91</i>

Please see Other Project Costs and Total Project Budget on next page.

**BT-678 GENERAL CLASSROOM FACILITY**

2 OTHER PROJECT COSTS Add or delete following items as required.				Costs	Subtotals (rounded)
<b>a.</b>	<b>Land/Existing Facility Acquisition/Relocation</b>			\$0.00	
	<b>Subtotal Land/Existing Facility Acquisition/Relocation</b>				<b>\$0.00</b>
<b>b.</b>	<b>Professional Fees</b>				
	A/E Fees (Curve D: Average Complexity)	5.95 %		\$1,600,811.80	
	Civil & Engineering Fee (10% of A/E Fee)	10.00 %		\$160,081.18	
	Landscape Design Fee (5% of A/E fee)	5.00 %		\$80,040.59	
	Building Commissioning (T&B)	1 Allowance		\$ 30,000.00	
	Site master planning	1 Allowance		\$ 20,000.00	
	Misc Other Fees	1 Allowance		\$ 20,000.00	
	C/M Pre-Construction Services Fee	1.00 %		\$ 269,044.00	
	<b>Sub-Total Professional Fees</b>				<b>\$ 2,180,000.00</b>
<b>c.</b>	<b>State Fire Marshal Review and Inspection</b>	0.25 %		\$67,261.00	<b>\$67,300.00</b>
<b>d.</b>	<b>Inspection Services</b>				
	Roofing Inspection	1 Allowance		\$10,000.00	
	Threshold Inspection	1 Allowance		\$12,000.00	
	Code Compliance Inspection (weekly)	0.575% of Bldg Construction Cost		\$141,400.00	
	Plan Review (Code Compliance Inspection)	0.075% of Bldg Construction Cost		\$18,400.00	
	<b>Sub-Total Inspection Services</b>				<b>\$183,600.00</b>
<b>e.</b>	<b>Risk Management / Insurance Consultant</b>	0.06 %		\$16,142.64	<b>\$17,100.00</b>
<b>f.</b>	<b>Surveys &amp; Tests</b>				
	Topographical/Site Survey	1 Allowance		\$10,000.00	
	Geotechnical Testing	1 Allowance		\$8,000.00	
	<b>Sub-Total Surveys &amp; Tests</b>				<b>\$18,000.00</b>
<b>g.</b>	<b>Permit/Impact/Environmental Fees</b>				
	Environmental (SFWM)	1 Allowance		\$3,000.00	
	<b>Sub-Total Permits/Impact Fees</b>				<b>\$3,000.00</b>
<b>h.</b>	<b>Art in State Building (Section 255.043, F.S.)</b>	0.5 %	100K Maximum	\$134,522.00	<b>\$100,000.00</b>
<b>i.</b>	<b>Movable Furniture &amp; Equipment</b>				
	FFE - Equipment, computers, etc.	6.0%		\$1,614,264.00	
	FFE - Furniture	6.0%		\$1,614,264.00	
	FFE - Miscellaneous	1		\$13,600.00	
	FFE - Equipment - Custodial & Card Access	0.2 %		\$53,808.80	
	<b>Subtotal Moveable Furniture &amp; Equipment (FFE)</b>				<b>\$3,295,900.00</b>
<b>j.</b>	<b>IRM &amp; Costs - See Section XI for more detail</b>				
	IRM Cabling Infrastructure	1 Allowance		\$226,630.00	
	IRM Switching Equipment/Wireless	1 Allowance		\$348,671.00	
	IRM Class/Conf Rm Equipmt - End User Options	1 Allowance		\$975,540.00	
	IRM Faceplate Allowance	400 # of Drops	\$150.00	\$60,000.00	
	<b>Sub-Total IRM Costs</b>				<b>\$1,610,800.00</b>
<b>k.</b>	<b>Project Contingency</b>	6 %		\$1,614,264.00	<b>\$1,614,300.00</b>
<b>l.</b>	<b>Campus Infrastructure</b>	1.5 %		\$403,566.00	<b>\$403,600.00</b>
	<b>TOTAL OTHER PROJECT COSTS</b>				<b>\$9,493,600.00</b>
	<b>TOTAL PROJECT BUDGET COST ESTIMATE</b>			\$404.66	<b>\$36,398,000.00</b>

End of complete 90,000 GSF Facility Budget Detail.

Copy of BOG 3 Year PECO List

Board of Governors  
 STATE UNIVERSITY SYSTEM OF FLORIDA  
 2007-2008/2009-2010 Three Year PECO Project List  
 by University and Project  
 March 29, 2007

Univ	Project	2007-2008	2008-2009	2009-2010	Totals
FAU	Utilities/Infrastructure/Capital Renewal/Rooftops (P,C,E)(P,C,E)(P,C,E)	11,439,470	8,050,000	3,050,000	20,539,470
	FAU/UF Joint Use Facility - Davie (C)(C,E)(C,E)	9,475,000	17,447,500	3,047,500	29,970,000
	General Classroom/Engineering Building (F,C)(C)(C,E)	17,982,000	17,952,000	4,820,000	40,754,000
	College of Arts & Letters - Arts & Humanities Addition (P,C,E)	2,000,000			2,000,000
	General Classroom Facility (P,C)(C,E)(C,E)	10,348,000	4,931,733	5,314,267	20,594,000
FAU/SCRIPPS Joint Use Facility Expansion - Jupiter (P,C,E)			2,000,000	2,000,000	
<b>TOTAL</b>		<b>51,244,470</b>	<b>46,381,233</b>	<b>18,231,767</b>	<b>115,857,470</b>
UWF	Utilities/Infrastructure/Capital Renewal/Rooftops (P,C,E)(P,C,E)(P,C,E)	4,750,000	5,000,000	5,250,000	15,000,000
	Science and Technology, Phase I (C,E)	14,700,000			14,700,000
	Classroom and Teaching Lab Upgrades (P,C)			2,786,352	2,786,352
<b>TOTAL</b>		<b>19,450,000</b>	<b>5,000,000</b>	<b>8,006,352</b>	<b>32,456,352</b>
UCF	Utilities/Infrastructure/Capital Renewal/Rooftops (P,C,E)(P,C,E)(P,C,E)	8,000,000	8,000,000	9,000,000	25,000,000
	Physical Sciences Building (E)	2,565,895			2,565,895
	VCC-UCF Joint Use Facility (P,C)(E)	10,126,000	1,125,000		11,250,000
	Hazardous Waste Expansion (P,C,E)	2,045,682			2,045,682
	Arts Complex II-Performance (P,C)(C,E)(C,E)	17,611,071	4,924,767	2,503,982	25,039,820
	Public Safety Building (P,C,E)	10,619,373			10,619,373
	Math & Physics Building Renovation (P)			462,953	462,953
<b>TOTAL</b>		<b>50,967,021</b>	<b>14,049,767</b>	<b>11,966,935</b>	<b>76,973,723</b>
FIU	Utilities/Infrastructure/Capital Renewal/Rooftops (P,C,E)(P,C,E)(P,C,E)	7,000,000	7,000,000	7,000,000	21,000,000
	Science/Classroom Complex - UP (P,C)(P,C)(C,E)	29,000,000	4,000,000	8,000,000	41,000,000
	Graduate Classroom Building - UP (C,E)	4,680,165			4,680,165
	Satellite Chiller Plant - UP (P)(C,E)	1,110,000	6,000,000		7,110,000
	Health Science Laboratory Clinic - UP (P,C)(C,E)(C,E)	19,000,000	2,000,000	5,000,000	26,000,000
<b>TOTAL</b>		<b>60,790,165</b>	<b>19,000,000</b>	<b>20,000,000</b>	<b>99,790,165</b>