



SCHOOL OF COMMUNICATIONS & MULTI MEDIA STUDIES THEATRE

This Project will be combined with, and incorporated into Project BT-678 General Classroom Building. The funding outlined in Section XIV will be added to the available funds in the General Classroom Project; and the Project Budget, defined in Section XV, will be added to and incorporated into the General Classroom project budget. The goals and objectives of this program shall remain in tact, and this component shall have a distinct architectural identity, within the context of the General Classroom Building.

BOCA RATON CAMPUS
BOCA RATON, FL

June 2008



**SCHOOL OF COMMUNICATIONS &
MULTI MEDIA STUDIES THEATRE
BT- 697**

FLORIDA ATLANTIC UNIVERSITY
BOCA RATON CAMPUS
BOCA RATON, FL

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

JUNE 2008

This Project will be combined with, and incorporated into Project BT-678 General Classroom Building. The funding outlined in Section XIV will be added to the available funds in the General Classroom Project; and the Project Budget, defined in Section XV, will be added to and incorporated into the General Classroom project budget. The goals and objectives of this program shall remain in tact, and this component shall have a distinct architectural identity, within the context of the General Classroom Building.

SUBJECT	TAB
I. Title Sheet	1
II. TABLE OF CONTENTS	2
III. SIGNATURE SHEET	3
IV. INTRODUCTION	4
V. ACADEMIC PLAN	5
VI. SPACE NEEDS ASSESSMENT	6
VII. CONSISTENCY WITH ADOPTED CAMPUS MASTER PLAN	7
VIII. SITE ANALYSIS	8
IX. PROGRAM AREA	9
X. UTILITIES IMPACT ANALYSIS	10
XI. INFORMATION TECHNOLOGY AND COMMUNICATION RESOURCES REQUIREMENTS	11
XII. CODES AND STANDARDS	12
XIII. PROJECT SCHEDULE	13
XIV. PROGRAM FUNDS	14
XV. PROJECT SPACE AND BUDGET SUMMARY	15
APPENDIX	

**Florida Atlantic University
FACILITIES PROGRAM**

This Project will be combined with, and incorporated into Project BT-678 General Classroom Building. The funding outlined in Section XIV will be added to the available funds in the General Classroom Project; and the Project Budget, defined in Section XV, will be added to and incorporated into the General Classroom project budget. The goals and objectives of this program shall remain in tact, and this component shall have a distinct architectural identity, within the context of the General Classroom Building.

PREPARED BY:

Robert Richman

REVIEWED AND APPROVED:

FACILITIES PLANNING:

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

Robert Richman, Interim 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.

Lynn Appleton, Associate Dean, College of Arts & Letters &
Program Committee Chairperson

DIVISION OF UNIVERSITY ADVANCEMENT

This is to certify that this document meets the requirements for the Facilities Enhancement Challenge Grant Program and FAU foundation funding requirements.

Randy Talbot, Vice President, University Advancement

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 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 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. conformance with all applicable requirements, and is hereby recommended to the President.

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. Brogan, President

Date

A. PROJECT HISTORY AND GENERAL DESCRIPTION

In 2006, the Department of Communication became the School of Communication & Multimedia Studies. The School developed out of almost a decade of curricular and faculty development. Its innovative multimedia studies program is crafted to occupy a distinctive niche in higher education: to educate students to move across media platforms with the fluidity necessary to the media environment of the 21st century; to prepare students to participate in a globalized and international media world; to train astute media analysts. With this distinctive set of missions in mind, this project aims to provide a state-of-the-art facility with multiple screening rooms that can be used to show and teach film in all of its varied forms.

B. GENERAL PROJECT DESCRIPTION

This building will comprise multiple 50 seat screening rooms that can be used to teach film and media classes. In addition, it will contain an inviting lobby, a small food service area, and miscellaneous support areas such as toilets, required closets and a digital film equipment room.

C. PROJECT GOALS

To develop a facility, which makes it possible for the School of Communication and Multimedia Studies to expand its film offerings and to teach film in four 50-seat rooms that have state-of-the-art screen and digital projection technology. This digital future is central to the emphasis of SCMS, which is preparing its students for a world of digital media and an ever-expanding world-wide web.

D. DESIGN OBJECTIVES

To construct a building that satisfies the requirements of this program, while providing the campus with a permanent, aesthetically pleasing and inviting facility that corresponds and relates to existing surrounding buildings, the proposed general classroom building and its nearby outdoor environment.

E. PROPOSED 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.

This facility will house programs and classes that serve the BA in Multimedia Studies and the MA in Communication within the School of Communication & Multimedia Studies.

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

The 2005 five-year Academic Program Review of the then-Department of Communication identified inadequate facilities as one of the primary challenges to the degree programs. This facility will help to remedy this problem. The five-year Academic Program Review and the annual program reviews (in 2006 and 2007) all conclude that the degree programs are well developed and well enrolled, taught by a faculty with impressive scholarly and artistic credential, and poised to emerge as leaders in the region.

C. RECOMMENDATIONS OF THE REVIEW CONSULTANTS REVIEWS

Not Applicable. The University's system of five-year Academic Program Review does not use consultants.

D. JUSTIFICATIONS REVIEWS

To support the Multimedia Studies degree in the School of Communication & Multimedia Studies

A. FACILITY DEFICIENCIES

Currently, the School of Communication & Multimedia Studies has two screening rooms and almost 1000 undergraduate majors. The two screening rooms have classes scheduled in them all day, every day, but cannot deal with the backlog of students trying to register for film classes. Film/media classes cannot be taught in general classrooms because those classrooms are equipped with projectors designed to show Powerpoint and similar displays; the projectors are not sufficiently detailed to make it possible to pause a film and discuss the nuances of a shot. We did consider whether better projectors and screens could be added to general classrooms, but this solution did not work. Film classes are longer than standard classes (because of the time needed to show films), and they cannot be scheduled in general classrooms without disrupting the scheduling of other classes. To schedule one film class, the University would have to allocate a block of time that could have accommodated two regular-length classes. With the current classroom shortage, the University cannot take that step. So, we needed new and dedicated space to solve the problem of the backlog of students who needed these courses.

B. ALTERNATIVE SOLUTIONS

These are unique state-of-the art spaces and there are no alternate or otherwise appropriate spaces on campus that fulfill the program requirements.

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. However, the uniqueness of the requirements for such a state-of-the art facility may vary from those guidelines. 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, prepared and adopted by the University's Board of Trustees on November 6, 2001.

A. SITE CONDITIONS

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

The site is an existing level parking lot (lot 23), located south of the existing College of Arts and Letters Structures - Buildings 9, 51, 52 and 53. The building must be planned to interact with the existing Arts and Letters Buildings and with the proposed general classroom building which will be located in the same general area of the parking lot.

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

The site is part of the Campus-wide permitting with the South Florida Water Management 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 description of the site storm water system.

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

Existing pedestrian and vehicular circulation as well as any affected parking areas will need to be re aligned or adjusted to create safe vehicular and pedestrian traffic.

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

The university will adhere to its policy of replanting and replacing any tree or shrubbery that are removed or damaged due to new construction, and the architect shall recommend additional improvements in his design.

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 campus utility infrastructure maps and description of 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.

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

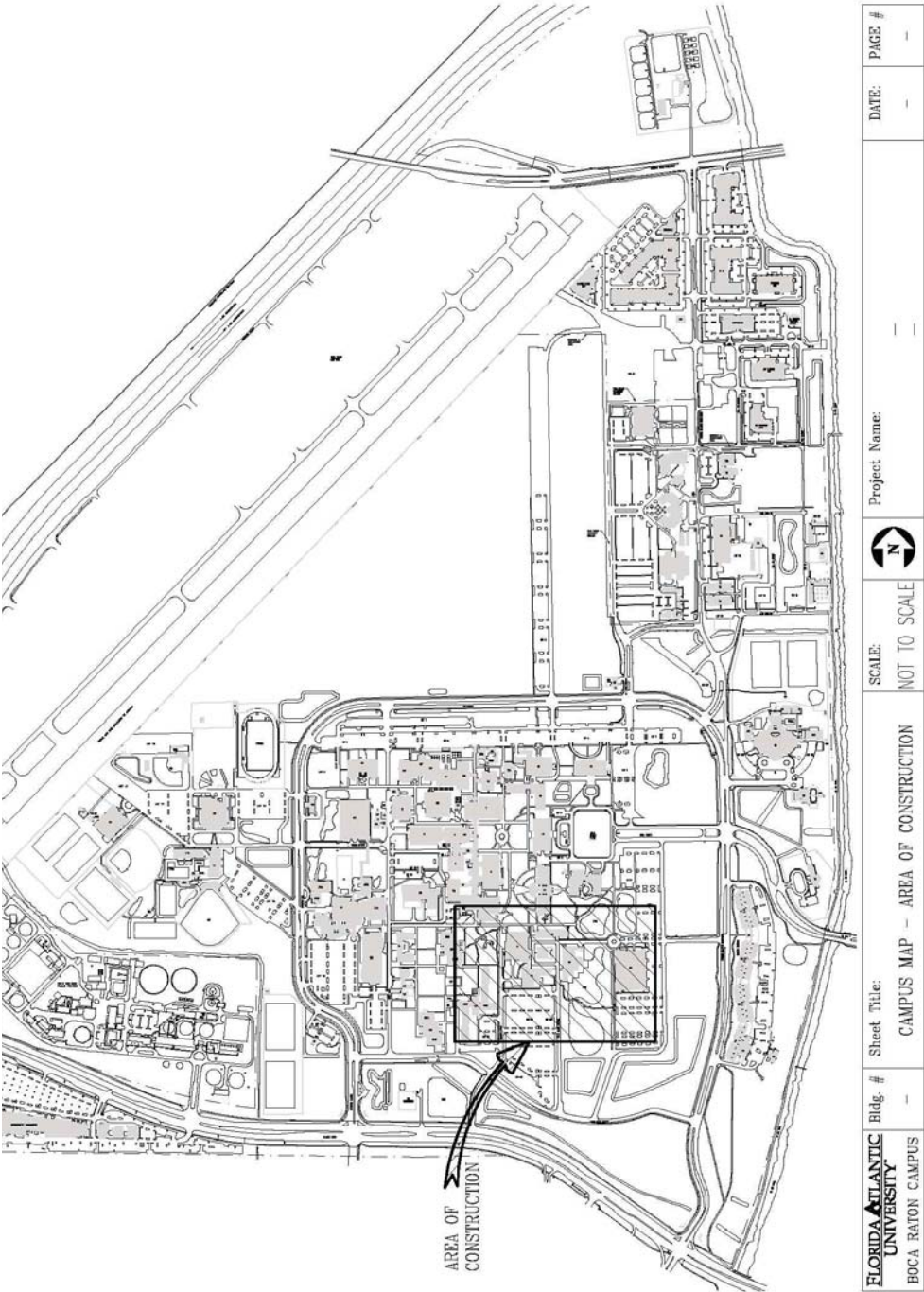
There are no known unusual site conditions. The AE

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.

B. CAMPUS MAP & SITE MAPS

The following map shows the general location of the site on the Boca Raton Campus.



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



Arial photo of general site.



A. PROGRAM AREA TABLE

MULTI-MEDIA THEATRE FOR THE SCHOOL OF COMMUNICATIONS	PROGRAM D		3/27/07	
Detail Space Requirements	Qu	Net SF per Space	Subtotal	Net Group Subtotal
CLASSROOMS / THEATRES				
Classroom / Theatre with 50 seats (27' x 45') w/ Fixed 27" Seats & 20' Screen	4	1000	4,000	
Classroom / Theatre with 65 seats	0	1250	-	
Exit Corridor, Swing space, and Possible extra ramp space				4,000
CLASSROOMS / THEATRE SUPPORT & MANAGEMENT SPACE				
Server & Control Room / Equip Room - Theatre Equipment & Spares	1	120	120	
IRM Closet - FAU IRM Equipment	1	100	100	
Ticket Booth & Outside Window (w/ Access or Control of Servers)	1	60	60	
Open Office Space for 2-3 RA's	0	80	-	
Ass't Manager's Desk in open office	0	100	-	
Work/copy/fax area - enclosed or part of open office	0	150	-	
Manager's Office w/ privacy	1	120	120	
Office Storage Room	1	20	20	
Small Faculty Lounge	0	200	-	
Conf Room	0	200	-	
				420
LOBBY AREA				
Lobby and Volume Outflow Space w/ Café Seating for 50+/-	1	800	800	
Kitchen	1	400	400	
Kitchen/Café Service Line Concession w/ Beer Wine Etc.	1	120	120	
Kitchen Cooler	1	80	80	
Kitchen Dry Storage	1	150	150	
House and Kitchen trash	1	60	60	
				1,610
TOTAL NET AREA				6,030
TOTAL GROSS AREA		G:N Factor	1.35	8,141

Please note: The net to gross ratio used in the above table is an estimate because the actual impact of ADA egress requirements can vary in interpretation.

Other Requirements:

Nearby parking for 80-100

Outdoor Café Patio 800 Sf

Covered Overhang at ticket office and entry, 300 - 500 Sf

Glass wall with Multiple pairs of doors into Lobby and Café

Meet all Handicap Code requirements

B. SPACE DESCRIPTION FORM – SAMPLES ONLY

The following are samples only. The selected AE will complete space description forms for each unique space type upon completion of the conceptual design.

Sample:

SPACE:	THEATER/CLASSROOM		
DEPARTMENT:			
AREA:	Theater		
SPACE NAME:	Tiered Seating with ADA Access per code		
DESCRIPTION / USE:	Classroom		
SUS SPACE CATEGORY:	Classroom	ROOM USE CODE:	
PERSONNEL ASSIGNED / MAX.:	50 People		
DIMENSION / AREA:	1000 NASF		
NUMBER REQUIRED:	4		
RELATIONSHIPS			
PRIMARY:	Main Lobby		
SECONDARY:	Projection control		
ARCHITECTURAL CRITERIA			
FLOORS:	Mildew resistant carpet or carpet tile w/ vinyl base. Stepped/Tiered 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:	None		
LIGHTING:	Dimmable house lighting and emergency lighting as required.		
ACOUSTICAL:	Required theater acoustical design for attenuation of both amplified and un-amplified speech and sound system for film. Acoustic isolation and insulation from other spaces is required.		
MECHANICAL CRITERIA			
HVAC:	Maintain very low ambient noise level for clear un-amplified speech and delivery of film through the sound system.		
PLUMBING:	N/A		
COMMUNICATIONS:	Provide conduit for lectern, DVD player and lighting controls at front of room.		
ELECTRICAL:	Provide multiple power outlets at the lectern for DVD player and future audio-video equipment and computers. Provide conduit as necessary from lectern to projector and to main server room.		
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	Projector at rear of room and DVD player at front of room in built in cabinet below screen.		
FURNITURE (CONTRACTOR):	Fixed seating with moveable tablet arm and beverage holders. Movie screen. Acoustic panels and treatment per design. Built in cabinet for DVD player and other equipment in front wall below screen.		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
SUPPLEMENTAL INFORMATION/REQUIREMENTS			

Sample:

SPACE:	OFFICE SPACE		
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		
RELATIONSHIPS			
PRIMARY:	Other offices.		
SECONDARY:			
ARCHITECTURAL CRITERIA			
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.		
MECHANICAL CRITERIA			
HVAC:	Appropriate zoning per FAU Guidelines		
PLUMBING:	NA		
COMMUNICATIONS:	2 category 5 network ports. Telephone. Provide fiber optic cable as required		
ELECTRICAL:	As required. Provide power at each telephone and computer outlet. Provide conditioned power and UPS backup.		
FURNITURE/EQUIPMENT			
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.		
SUPPLEMENTAL INFORMATION/REQUIREMENTS			
1. Provide blinds or window shades, as required.			

Sample:

SPACE:	LOBBY & PRE-FUNCTION SPACE		
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:			
RELATIONSHIPS			
PRIMARY:	Theaters		
SECONDARY:	Café and Exterior		
ARCHITECTURAL CRITERIA			
FLOORS:	Durable, maintainable floor.		
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.		
MECHANICAL CRITERIA			
HVAC:	As required.		
PLUMBING:	N/A		
COMMUNICATIONS:	As required.		
ELECTRICAL:	As required.		
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	NA		
FURNITURE (CONTRACTOR):	NA		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
SUPPLEMENTAL INFORMATION/REQUIREMENTS			

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.

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. If the cost of this line is prohibitive, alternate cooling methods may be considered.

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.

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.

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.

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.

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.

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.

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.

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.

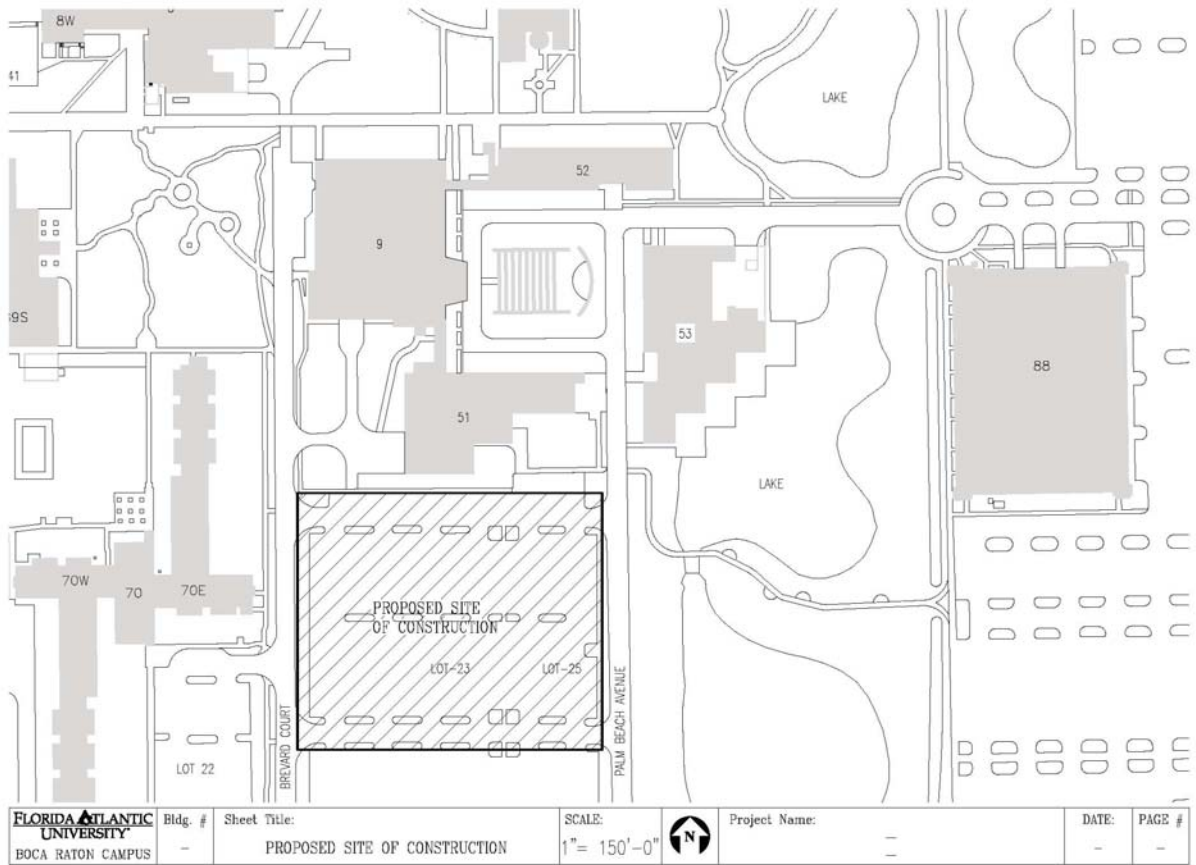
13. SURFACE IMPROVEMENTS:


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

B. EXISTING INFRASTRUCTURE MAPS

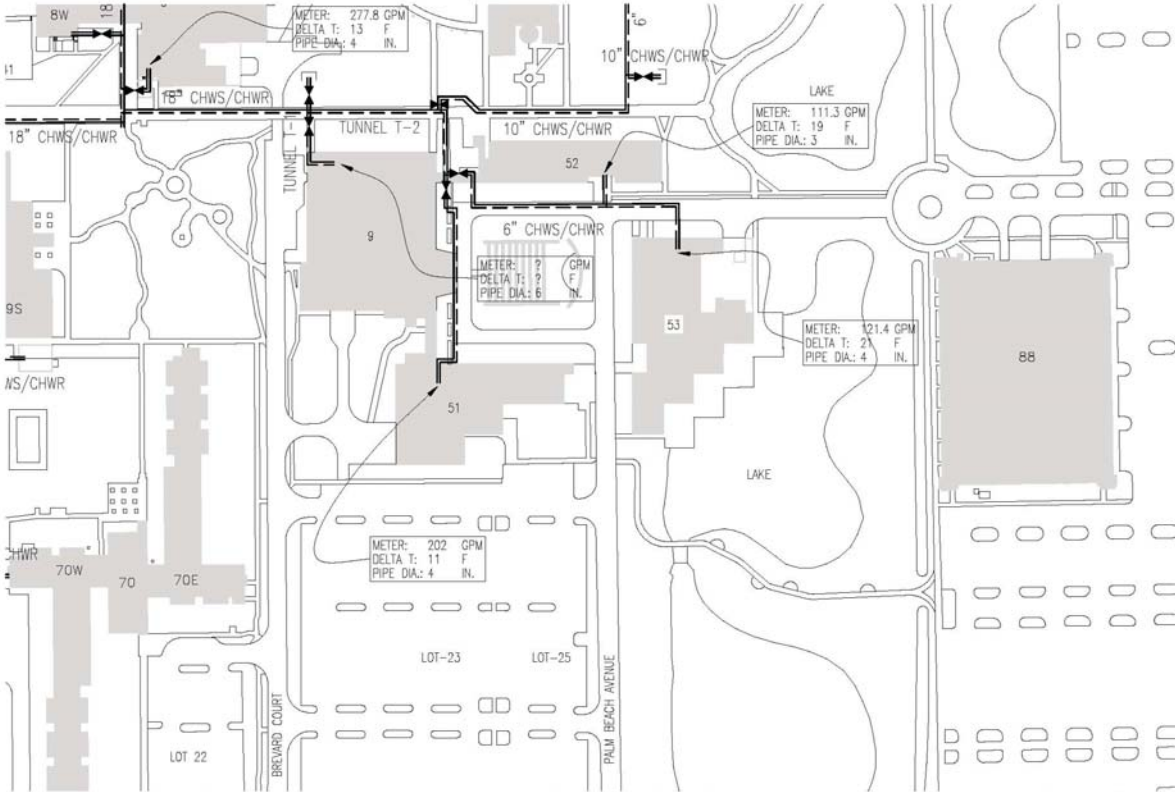
The following campus infrastructure maps show an estimation of the available utilities and conditions for the sites that are being examined. The information shown is meant for general information purposes only and is not to be used by the consultants or contractors in the actual design or construction 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.

BT-697 MULTI-MEDIA THEATRE



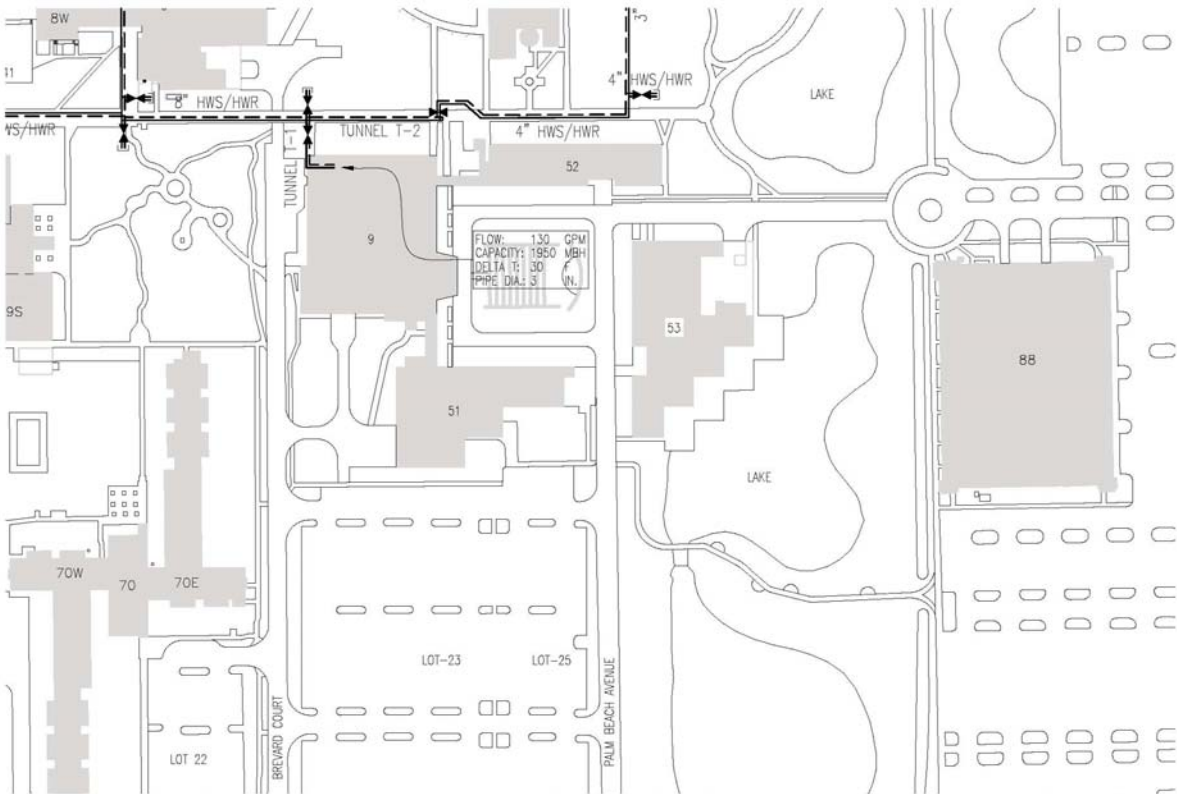
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. # -	Sheet Title: PROPOSED SITE OF CONSTRUCTION	SCALE: 1" = 150'-0"		Project Name: -	DATE: -	PAGE # -
---	--------------	---	------------------------	---	--------------------	------------	-------------

BT-697 MULTI-MEDIA THEATRE



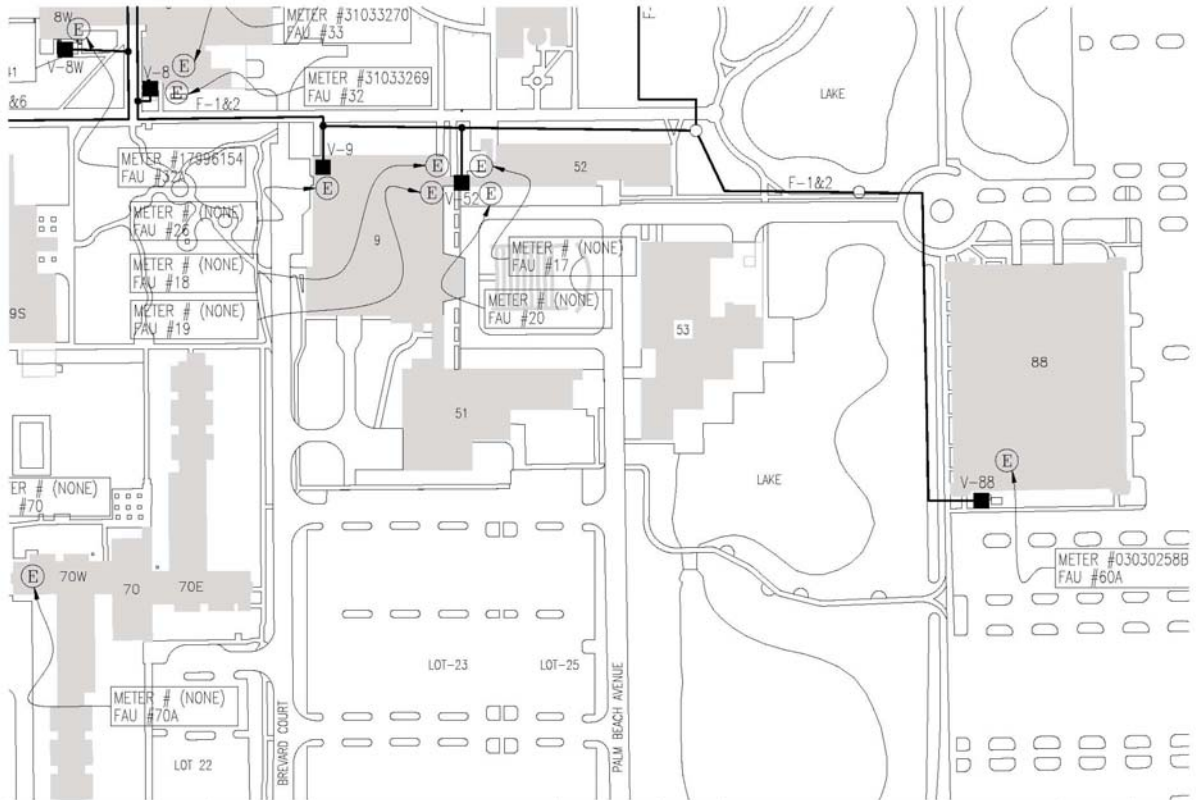
 FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:	 Project Name:	DATE:	PAGE #
	-	INFRASTRUCTURE - CHILLED WATER DISTR.	1" = 150'-0"		-	-


BT-697 MULTI-MEDIA THEATRE



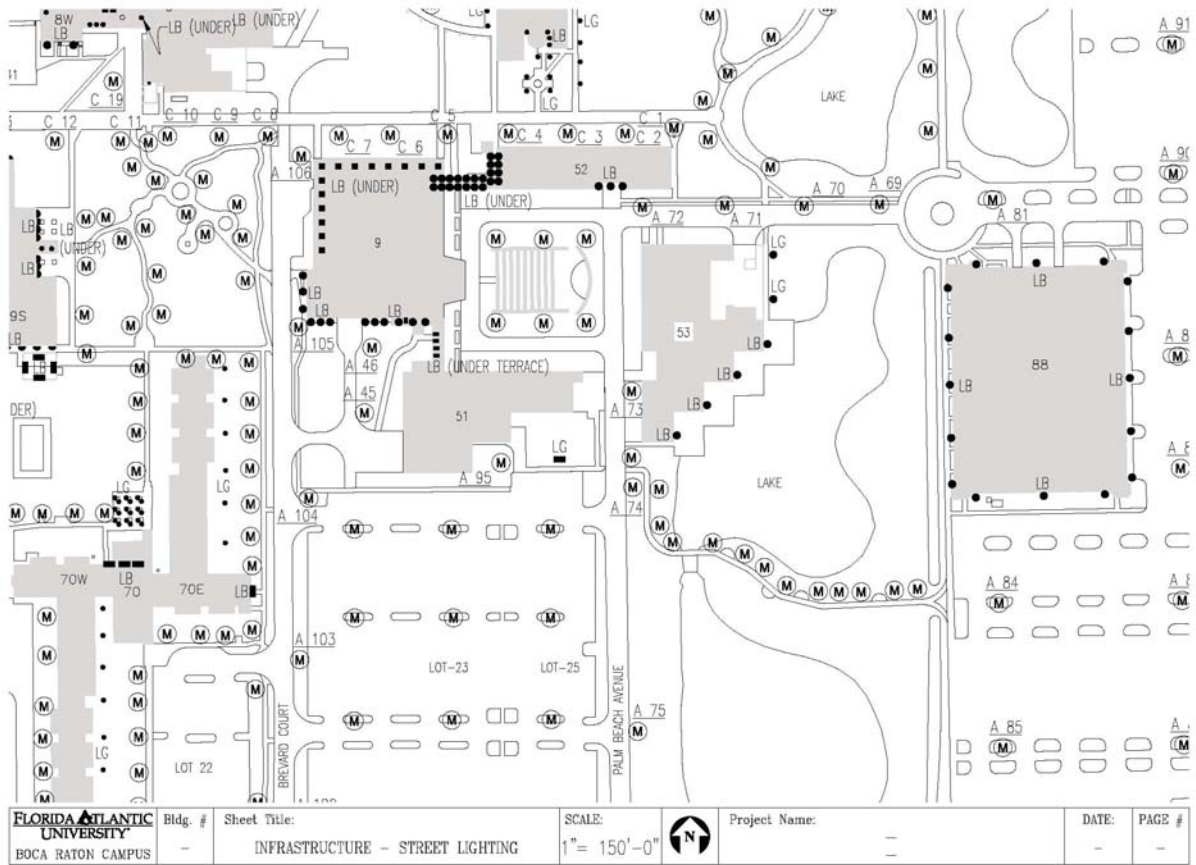
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:		Project Name:	DATE:	PAGE #
	-	INFRASTRUCTURE - HOT WATER DISTRIBUTION	1" = 150'-0"		-	-	


BT-697 MULTI-MEDIA THEATRE



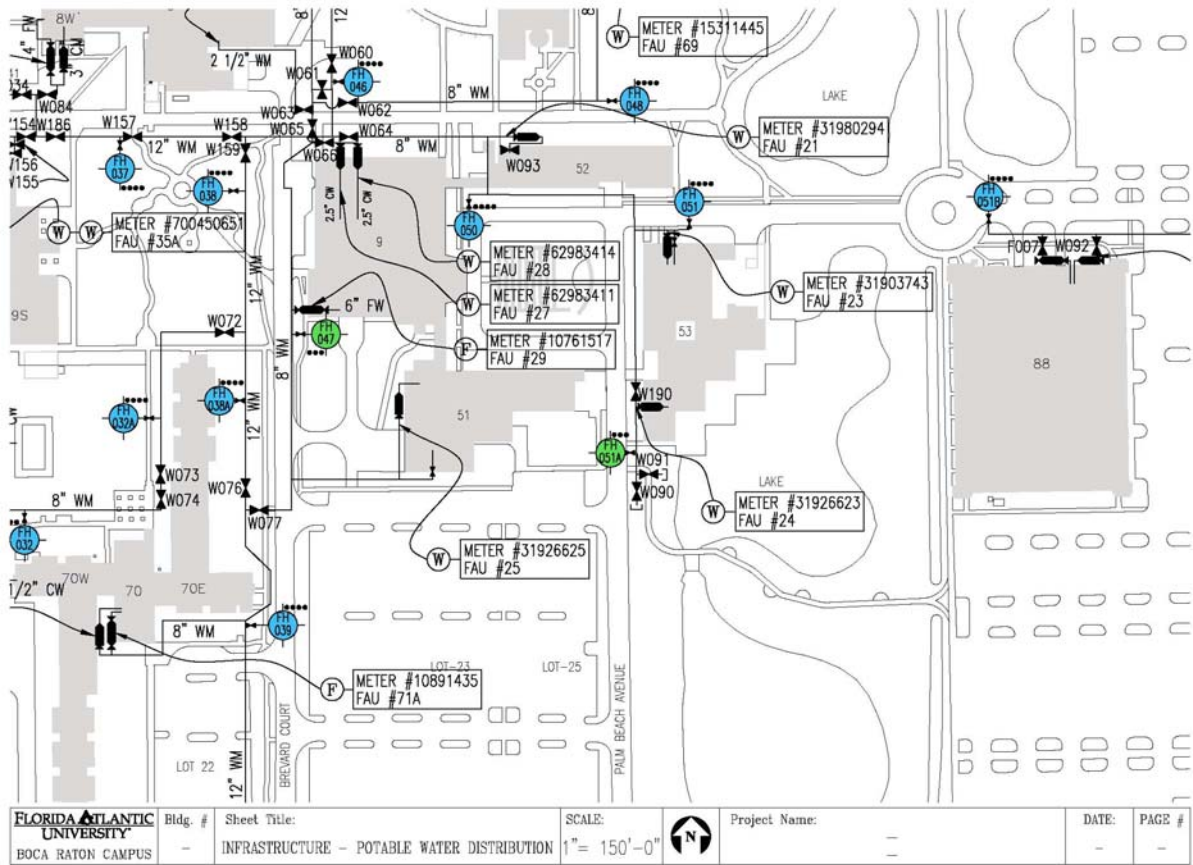
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - HIGH VOLTAGE EL. DISTR.	SCALE: 1" = 150'-0"		Project Name: -	DATE: -	PAGE # -
---	--------------	--	------------------------	---	--------------------	------------	-------------

BT-697 MULTI-MEDIA THEATRE



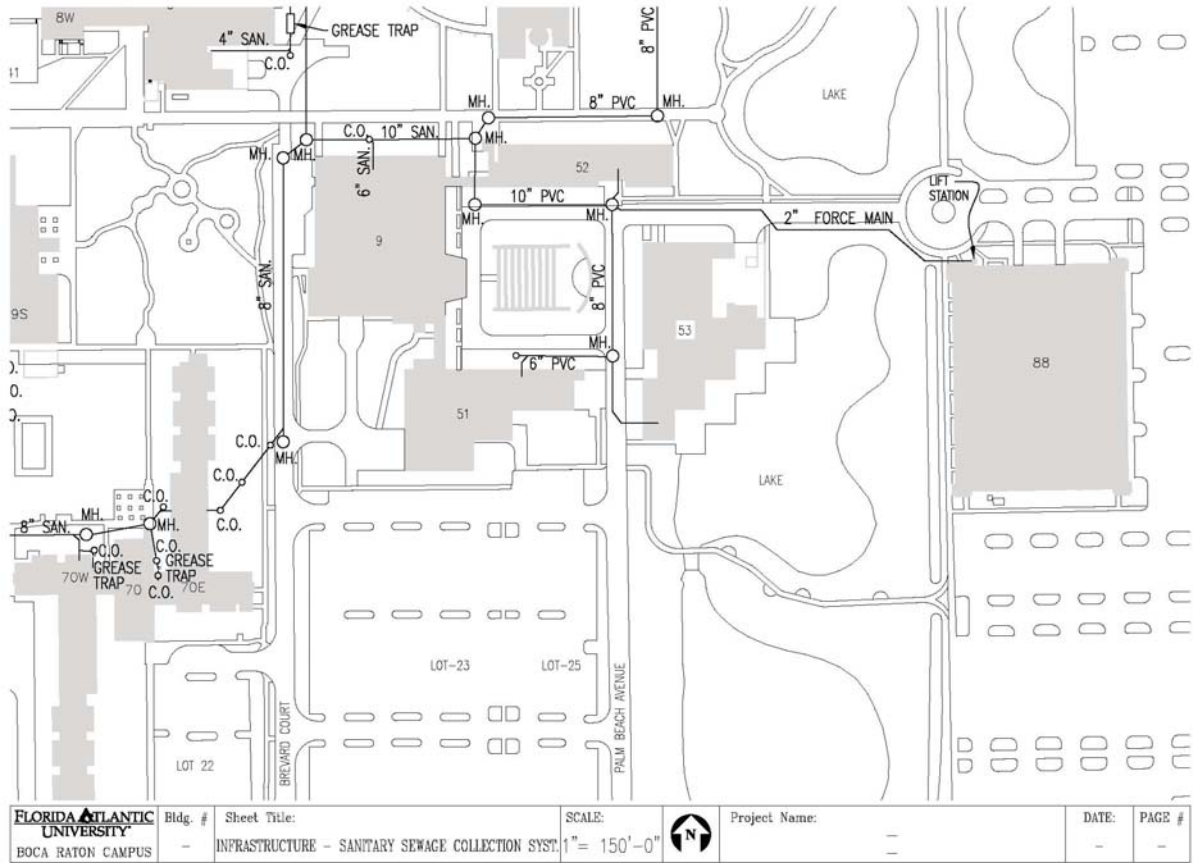
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - STREET LIGHTING	SCALE: 1" = 150'-0" 	Project Name: -	DATE: -	PAGE # -
---	--------------	--	---	--------------------	------------	-------------

BT-697 MULTI-MEDIA THEATRE



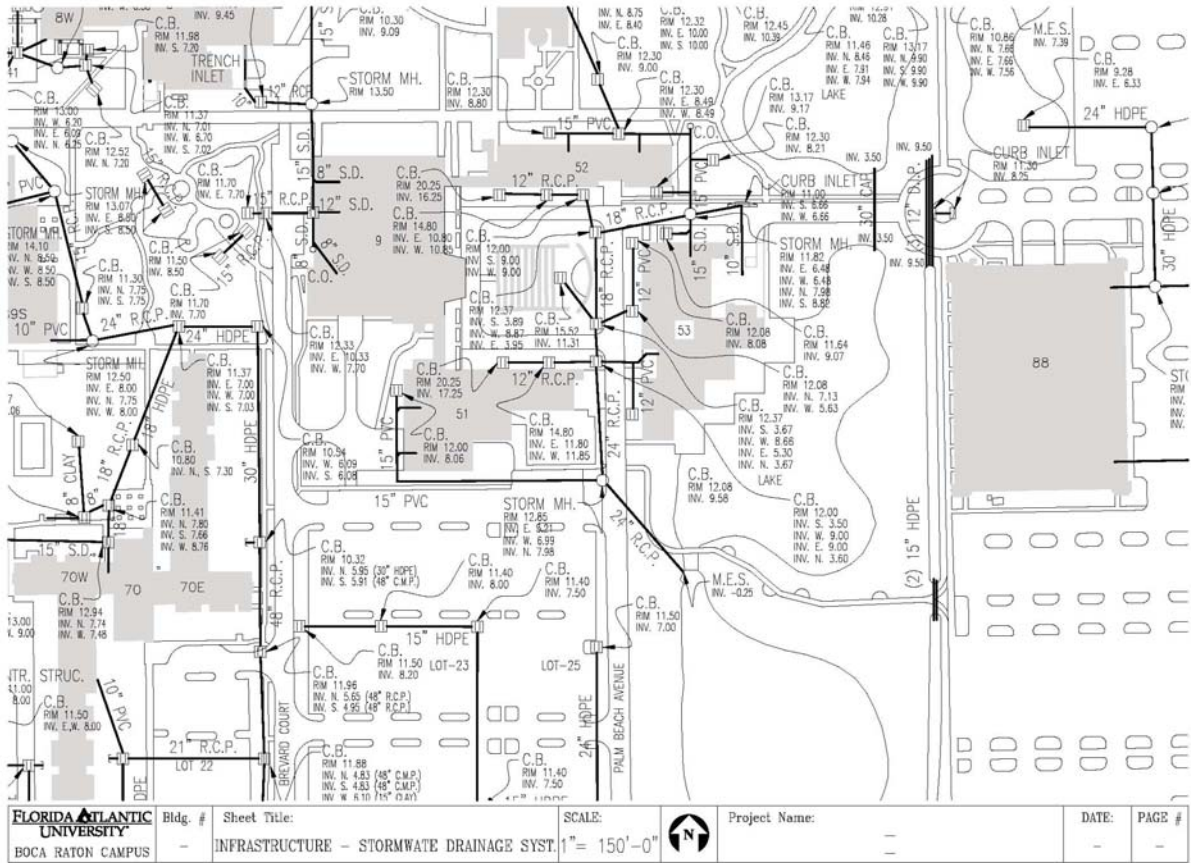
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:		Project Name:	DATE:	PAGE #
	-	INFRASTRUCTURE - POTABLE WATER DISTRIBUTION	1" = 150'-0"		-	-	

BT-697 MULTI-MEDIA THEATRE



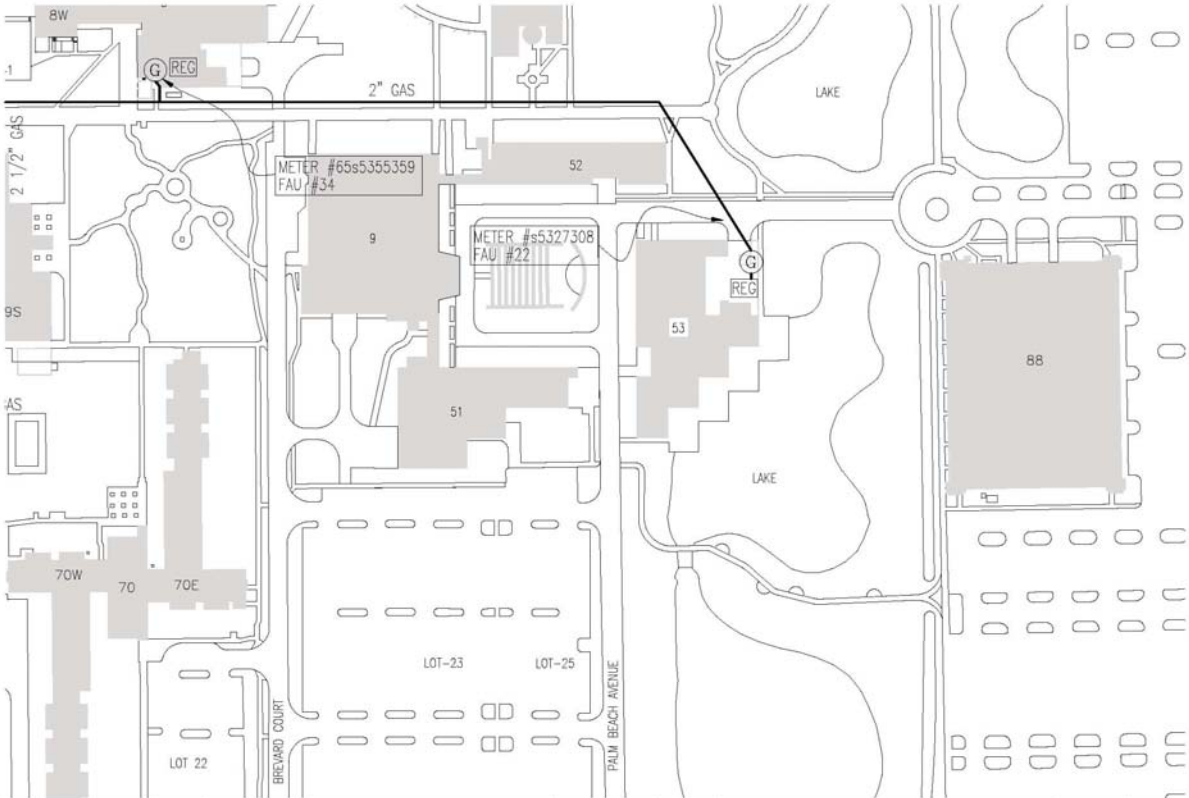
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:		Project Name:	DATE:	PAGE #
	-	INFRASTRUCTURE - SANITARY SEWAGE COLLECTION SYST.	1" = 150'-0"		-	-	

BT-697 MULTI-MEDIA THEATRE



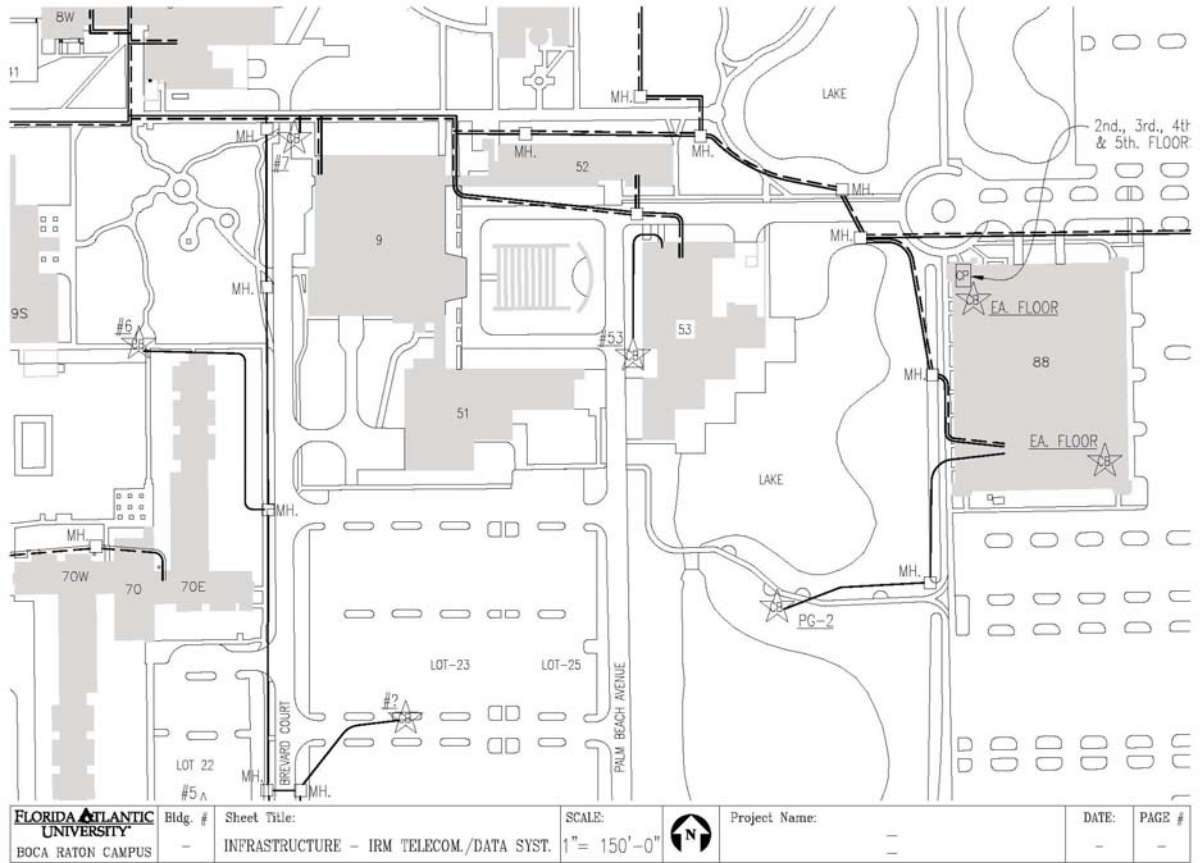
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. # - Sheet Title: INFRASTRUCTURE - STORMWATER DRAINAGE SYST.	SCALE: 1" = 150'-0" 	Project Name: -	DATE: -	PAGE # -
---	--	-------------------------	-----------------	---------	----------


BT-697 MULTI-MEDIA THEATRE



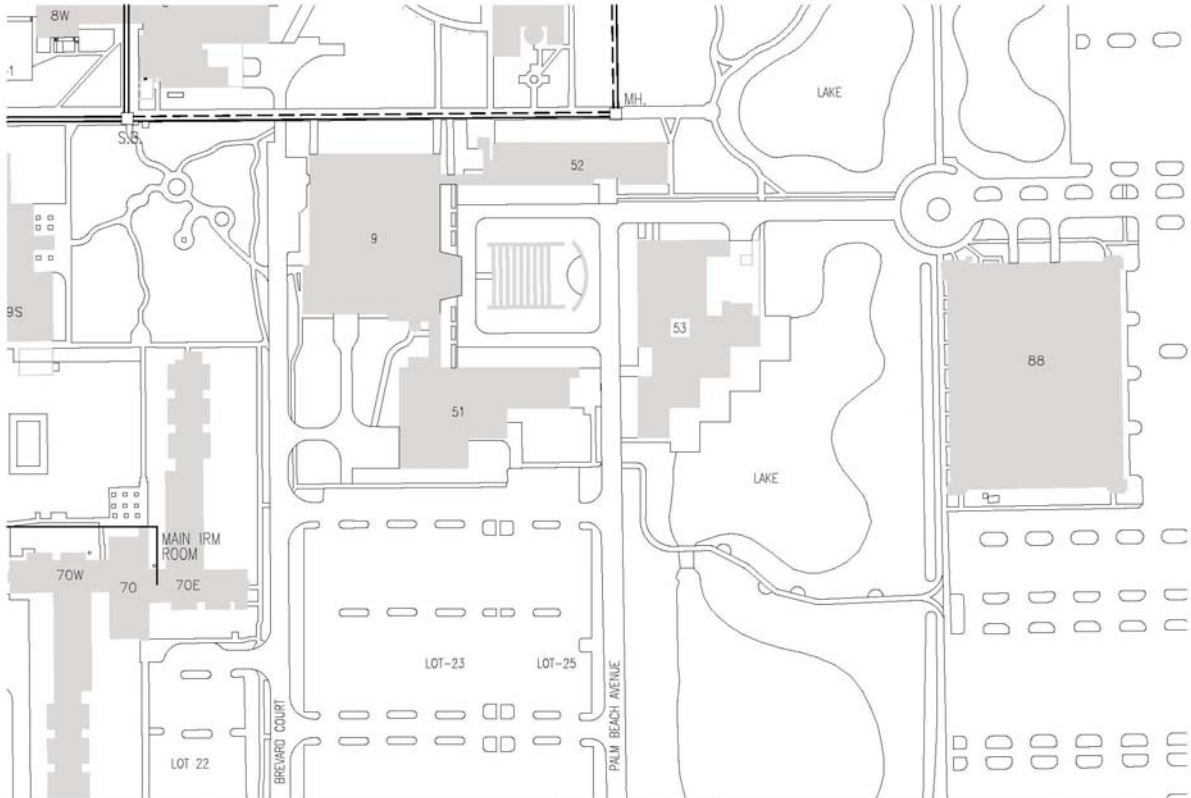
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:		Project Name:	DATE:	PAGE #
	-	INFRASTRUCTURE - NATURAL GAS DISTRIBUTION	1" = 150'-0"		-	-	-

BT-697 MULTI-MEDIA THEATRE



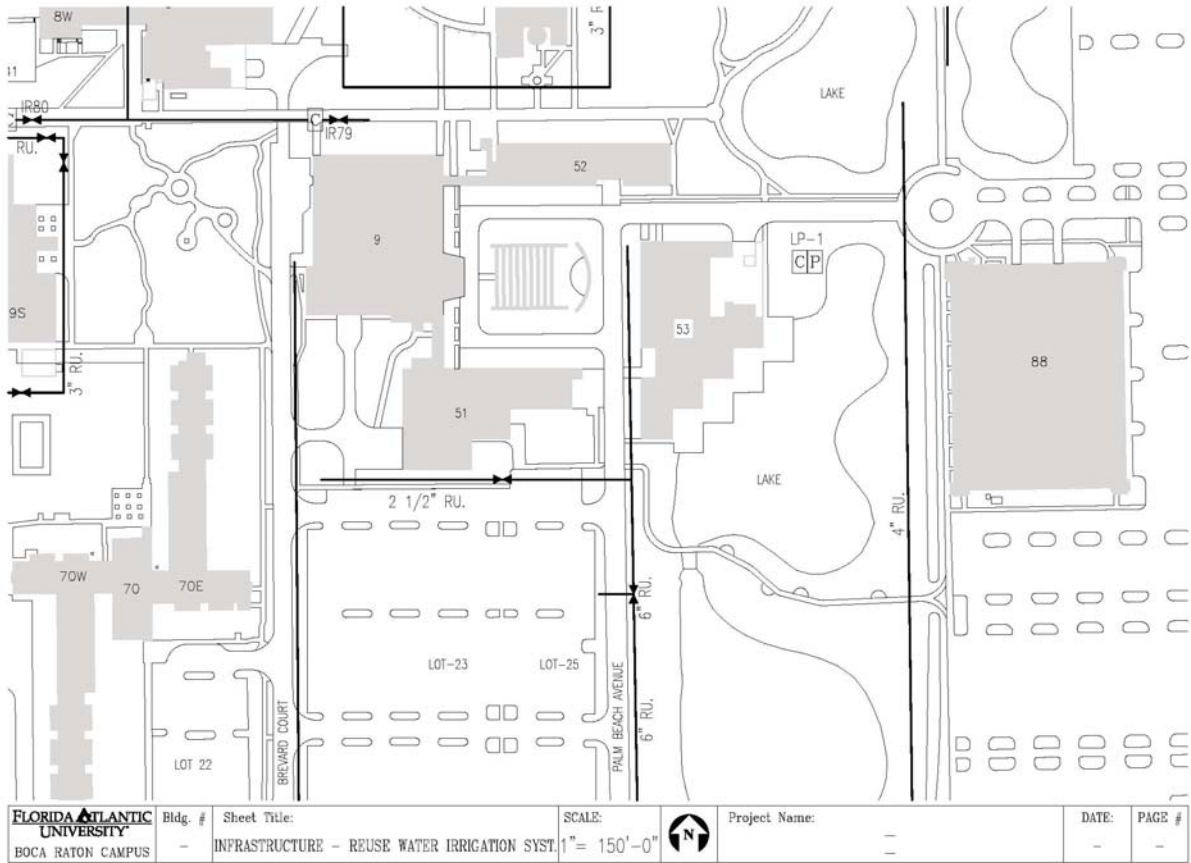
FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - IRM TELECOM./DATA SYST.	SCALE: 1" = 150'-0"		Project Name: -	DATE: -	PAGE # -
---	--------------	--	------------------------	---	--------------------	------------	-------------

BT-697 MULTI-MEDIA THEATRE



 FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:	 Project Name:	DATE:	PAGE #
	86	INFRASTRUCTURE - TV CABLE SYSTEM	1" = 150'-0"		-	-

BT-697 MULTI-MEDIA THEATRE



FLORIDA ATLANTIC UNIVERSITY BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:		Project Name:	DATE:	PAGE #
	-	INFRASTRUCTURE - REUSE WATER IRRIGATION SYST.	1" = 150'-0"		-	-	-

XI. INFORMATION / COMMUNICATIONS RESOURCES REQUIREMENTS

BT-697 MULTI-MEDIA THEATRE

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.

The building will be fit out with a minimum of switch capacity and minimum distribution for FAU computer equipment in the building per the School of Communication and Multimedia Studies. The estimate in Section XV includes the cost of a minimum capacity switch and minimal infrastructure cabling.

IRM AV Infrastructure Cable inside / out	1	Allowance		\$30,000.00
IRM Data Switch Equipment	1	Allowance		\$12,000.00
IRM Voice, Data, Video	1	Allowance		\$0.00
IRM Distance Learning - none	0	Allowance		\$0.00
IRM Drops	10	# of Drops	\$150.00	\$1,500.00

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>	
	Year	Building Codes
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	2003	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	2004	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
	3.13.3	State Fire Marshal 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)
	3.13.4-5	Required Permits 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
	3.13.5.5	Local Water Management District permit
		SUS Standards
		FAU Cost Containment Guidelines
		FAU Professional Services Guide and Project Manual
		Florida Atlantic University
		Florida Atlantic University Cost Containment Guidelines Supplement
		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).
		Miscellaneous Statutes
		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

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 schedule may vary depending on the actual project start date. **

GOALS AND MILESTONES	DURATION	START DATE	END DATE	
PROGRAM APPROVAL	48 weeks	25-Jun-2007	28-May-2008	0.9 Years
Complete Program Development	4 weeks	29-Jun-2007	27-Jul-2007	
ITN and Use Agreement Negotiations	40 weeks	08-Aug-2007	14-May-2008	
University Facilities Program & Advertisement Approvals	2 weeks	14-May-2008	28-May-2008	
A/E SELECTION PROCESS	12 weeks	28-May-2008	20-Aug-2008	0.2 Years
Advertise for A/E in FAW	6 weeks	28-May-2008	09-Jul-2008	
A/E Short-list	2 weeks	09-Jul-2008	23-Jul-2008	
A/E Interviews & Selection	2 weeks	23-Jul-2008	06-Aug-2008	
Contract Negotiations with A/E	2 weeks	06-Aug-2008	20-Aug-2008	
C/M SELECTION PROCESS	12 weeks	28-May-2008	20-Aug-2008	0.2 Years
Advertise for C/M in FAW	6 weeks	28-May-2008	09-Jul-2008	
C/M Short-list	2 weeks	09-Jul-2008	23-Jul-2008	
C/M Interviews & Selection	2 weeks	23-Jul-2008	06-Aug-2008	
Contract negotiations with C/M	2 weeks	06-Aug-2008	20-Aug-2008	
DESIGN PHASE	30 weeks	20-Aug-2008	18-Mar-2009	0.6 Years
Program Verification , Master Planning, Conceptual Design	3 weeks	20-Aug-2008	10-Sep-2008	
Schematic Design Submission	2 weeks	10-Sep-2008	24-Sep-2008	
Schematic Design review and approval	3 weeks	24-Sep-2008	15-Oct-2008	
Design Development and Budget verification	4 weeks	15-Oct-2008	12-Nov-2008	
Design Development review and approval	3 weeks	12-Nov-2008	03-Dec-2008	
50% Construction Documents and Budget update	4 weeks	03-Dec-2008	31-Dec-2008	
50% Construction Documents on Board Review	0 weeks	31-Dec-2008	31-Dec-2008	
100% Construction Documents and Budget update	3 weeks	31-Dec-2008	21-Jan-2009	
100% Construction Documents review and approval	4 weeks	21-Jan-2009	18-Feb-2009	
Code Review, submittal to SFM, GMP	4 weeks	18-Feb-2009	18-Mar-2009	
CONSTRUCTION PHASE	43 weeks	18-Mar-2009	13-Jan-2010	0.8 Years
Notice to Proceed	1 weeks	18-Mar-2009	25-Mar-2009	
Construction	35 weeks	25-Mar-2009	25-Nov-2009	
Substantial Completion Inspection	2 weeks	25-Nov-2009	09-Dec-2009	
Punchlist Corrective Work	2 weeks	09-Dec-2009	23-Dec-2009	
Final Inspection	2 weeks	23-Dec-2009	06-Jan-2010	
Owner Move in / Occupancy	1 weeks	06-Jan-2010	13-Jan-2010	

** The Project Schedule will follow that of BT-678 General Classroom Building.

A. ESTIMATED FUNDING

PROJECT FUNDING	
PRIVATE DONATION	\$1,500,000.00
2007-2008 FECG MATCHING GRANT	\$1,500,000.00
TOTAL PROJECT FUND	\$ 3,000,000.00

B. ESTIMATED BUDGET SUMMARY

The following Budget reflects the estimated project costs for the proposed building. See the detailed budget in section XV.

ESTIMATED BUDGET SUMMARY					
	GSF			\$/GSF	Total \$
1 Construction Costs					
a. Construction Costs	8,141			200.00	\$1,628,100.00
b. Additional/Extraordinary Construction Costs				75.55	\$615,000.00
c. Inflation Escalation				13.78	\$112,200.00
Sub Total Construction Costs	8,141			289.33	\$2,355,300.00
2 Other Project Costs					
a. Land/existing facility acquisition/Relocations					\$0.00
b. Professional Fees					\$ 223,100.00
c. Fire Marshal Fees					\$5,900.00
d. Inspection Services					\$42,800.00
e. Insurance Consultant					\$1,600.00
f. Surveys and Tests					\$18,000.00
g. Permit/Impact/Environmental Fees					\$3,000.00
h. Art Work					\$11,800.00
i. Movable Furnishings & Equipment					\$24,200.00
j. IRM Costs					\$43,500.00
k. Project Contingencies					\$235,500.00
l. Campus Infrastructure					\$35,300.00
Sub Total Other Project Costs				79.20	\$644,700.00
TOTAL PROJECT BUDGET	8,141			368.53	\$3,000,000.00

XV. PROJECT BUDGET SUMMARY

BT-697 MULTI-MEDIA THEATRE

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

The following estimate establishes the project budget in detail.

Project: Multi Media Theatre with 4 @ 50 Seats Ea.		BUDGET for PROGRAM D			6/20/2007
3					
Fill in the Yellow shaded area only		Return to:	XV. Summary	Worksheets:	Schedule
Automatic entry in Light Green			IX. Program		Program
PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)					
Inflation Adjustment	1	Years	@	5.00 %	Effective Rate 5.00 %
Construction Phase Duration	1	Years			
Design Phase Duration	1	Years			
				Estimated Budget	\$ 3,000,000.00
				Target Budget	\$ 3,000,000.00
SPACESUMMATION (from Section IX of Facilities Program)					
Program Space Type (New Construction)	NASF	Factor	GSF	\$ / GSF	Costs in \$
Teaching Labs	6,030	1.35	8,141	200.00	\$1,628,100.00
Avg. Construction Cost				\$ 200.00	
Subtotal Building Construction (SUS)	6,030	1.35	8,141	<i>Rounded to 100</i>	\$1,628,100.00
1 CONSTRUCTION COSTS (Reference: SUS CM-D-38.00-09/97, Attachment 1-B)					
a. Building Construction Cost		Units		Unit Cost	Costs in \$
New Construction Cost	8,141	GSF		\$200.00	\$1,628,100.00
Sub-Total Building Construction Costs (today's \$\$)				\$200.00	\$1,628,100.00
b. Additional/Extraordinary Construction Cost		Units		Unit Cost	
Environmental Impacts Mitigation	0	Allowance		\$0.00	
Site Preparation/Demolition	0	Allowance		\$0.00	
Landscape/Irrigation	1	Allowance		\$30,000.00	
Plazas/Walks/Bikepaths	1	Allowance		\$30,000.00	
Roadway Improvements	1	Allowance		\$0.00	
Parking Improvements	1	Allowance		\$0.00	
Built-in Theatre seating only (200 seats)	200	Seats @	\$ 500.00	\$100,000.00	
Built-in Theatre Screens and sound system	4	Theatres @	\$ 15,000.00	\$60,000.00	
Electrical Services	1	Allowance		\$30,000.00	
Water Distribution	1	Allowance		\$25,000.00	
Sanitary Sewer System	1	Allowance		\$40,000.00	
Chilled Water System	1	Allowance		\$250,000.00	
Storm Water System	1	Allowance		\$20,000.00	
Telecomm Trench and conc encased conduit	1	Allowance		\$30,000.00	
Sub-Total Add/Extra Construction Costs				Round to 100	\$615,000.00
TOTAL CONSTRUCTION COSTS - BUILDINGS and SITE DEVELOPMENT				275.55	\$2,243,100.00
Inflation Adjustment					\$112,200.00
TOTAL CONSTRUCTION BUDGET				\$ 289.33	\$2,355,300.00

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

BT-697 MULTI-MEDIA THEATRE

2 OTHER PROJECT COSTS Add or delete following items as required.		Costs	Subtotals (rounded)
a. Land/Existing Facility Acquisition/Relocation		\$0.00	
Subtotal Land/Existing Facility Acquisition/Relocation			\$0.00
b. Professional Fees			
A/E Fees (Curve D: Average Complexity)	7.24 %	\$170,523.72	
Building Commissioning (T&B)	1 Allowance	\$ 12,000.00	
Civil Engineering	1 Allowance	\$ 17,052.37	
C/M Pre-Construction Services Fee	1.00 %	\$ 23,553.00	
Sub-Total Professional Fees			\$ 223,100.00
c. State Fire Marshal Review and Inspection	0.25 %	\$5,888.25	\$5,900.00
d. Inspection Services			
Roofing Inspection	1 Allowance	\$6,000.00	
Threshold Inspection	0 Allowance	\$0.00	
Code Compliance Inspection (weekly)	1 Allowance	\$30,000.00	
Plan Review (Code Compliance Inspection)	1 Allowance	\$5,000.00	
Sub-Total Inspection Services			\$42,800.00
e. Risk Management / Insurance Consultant	0.06 %	\$1,413.18	\$1,600.00
f. Surveys & Tests			
Topographical/Site Survey	1 Allowance	\$10,000.00	
Geotechnical Testing	1 Allowance	\$8,000.00	
Sub-Total Surveys & Tests			\$18,000.00
g. Permit/Impact/Environmental Fees			
Environmental (SFWM)	1 Allowance	\$3,000.00	
Sub-Total Permits/Impact Fees			\$3,000.00
h. Art in State Building (Section 255.043, F.S.)	0.5 %	\$11,776.50	\$11,800.00
i. Movable Furniture & Equipment			
FFE - See Built-in Equip. in Construction Costs		\$0.00	
FFE - See Built-in Seating in Construction Costs		\$0.00	
FFE - Miscellaneous Furniture & Equipment	1 Allowance	\$0.00	
FFE - Equipment - servers,etc by LRT	0 %	\$600.00	
FFE - Equipment - Custodial & Card Access	1 %	\$23,553.00	
Subtotal Moveable Furniture & Equipment(FFE)			\$24,200.00
j. IRM Costs			
IRM AV Infrastructure Cable inside / out	1 Allowance	\$30,000.00	
IRM Data Switch Equipment	1 Allowance	\$12,000.00	
IRM Voice, Data, Video	1 Allowance	\$0.00	
IRM Distance Learning - none	0 Allowance	\$0.00	
IRM Drops	10 # of Drops	\$150.00	\$1,500.00
Sub-Total IRM Costs			\$43,500.00
k. Project Contingency	10 %	\$235,530.00	\$235,500.00
l. Campus Infrastructure	1.5 %	\$35,329.50	\$35,300.00
TOTAL OTHER PROJECT COSTS			\$644,700.00
TOTAL PROJECT BUDGET COST ESTIMATE		\$368.53	\$3,000,000.00

NOTE: IRM FIGURES ASSUME NO FAU COMPUTERS WILL BE THE BUILDING.
NOTE: KITCHEN, CAFÉ FURNITURE, SERVICE EQUIP, FILM SERVER EQUIP. AND PROJECTORS ARE NOT INCLUDED.
EQUIPMENT IN LINE ABOVE IS TO BE FURNISHED BY LRT.
NOTE: ALL BUILT-IN SEATING, SCREEN, and AUDIO EQUIPMENT COSTS HAVE BEEN SUPPLIED BY LRT.