

TITLE SHEET

**BOCA RATON CAMPUS  
PARKING GARAGE III  
BT- 698**

**FACILITY PROGRAM  
NOVEMBER 2011**



FLORIDA ATLANTIC UNIVERSITY



**BOCA RATON CAMPUS  
PARKING GARAGE III  
BT- 698**

FLORIDA ATLANTIC UNIVERSITY  
BOCA RATON, FLORIDA

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

NOVEMBER 2011

---

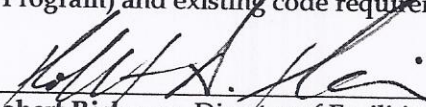
<b>SUBJECT</b>	<b>TAB</b>
<b>I. Title Sheet</b>	<b>1</b>
<b>II. TABLE OF CONTENTS</b>	<b>2</b>
<b>III. SIGNATURE SHEET</b>	<b>3</b>
<b>IV. INTRODUCTION</b>	<b>4</b>
<b>V. ACADEMIC PLAN</b>	<b>5</b>
<b>VI. SPACE NEEDS ASSESSMENT</b>	<b>6</b>
<b>VII. CONSISTENCY WITH ADOPTED CAMPUS MASTER PLAN</b>	<b>7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

Florida Atlantic University  
Facilities Program

REVIEWED AND APPROVED:

FACILITIES PLANNING:

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 existing code requirements.

  
Robert Richman, Director of Facilities Planning

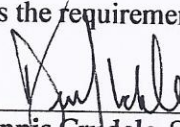
INFORMATION RESOURCE MANAGEMENT:

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

  
Jason Ball, Associate VP for IRM & CIO, IRM Assoc. Provost


DIVISION OF FINANCIAL AFFAIRS:

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

  
Dennis Crudele, Sr. VP for Finance, and CFO, Financial Affairs

DIVISION OF ACADEMIC AFFAIRS:

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

  
Brenda Claiborne, University Provost & Chief Academic Officer

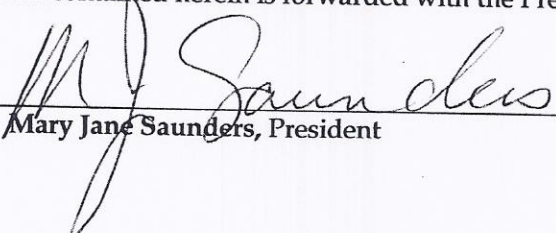
DIVISION OF FACILITIES:

This is to certify that this document has been reviewed for project schedule and budget, and is consistent with the latest approved Campus Master Plan.

  
Thomas Donaudy, University Architect & Vice President, 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.

  
Mary Jane Saunders, President

Date





**A. PROJECT HISTORY**

Florida Atlantic University's Boca Raton Campus was developed on an 850-acre Army Airfield site. The Florida Atlantic University (FAU) campus at Boca Raton was originally designed as a residential campus, however since it became more and more a commuter college until recently. With the completion of a new 30,000 seat football stadium and the addition of up to 2,400 new housing units, FAU is growing into a more traditional university with a current headcount of 29,500 students, and growing. Staff and Faculty account for another 3,000 people.

Currently, over 30 parking lots and two 1,000 car parking garages provide approximately 10,500 parking spaces on the FAU Boca Campus.

**B. PROJECT GENERAL DISCRIPTION**

Parking Garages III will be located on the north side of North University Drive (formerly Lee St.), just west of the FAU Stadium. It will have an initial capacity of 1,000 cars with the expansion capabilities for an additional 1,000 cars.

**C. PROJECT GOALS**

The primary goal of this project is to design, construct and put into service a net additional 1,000 parking spaces with the ability to expand the garage to 2,000 spaces in the future. The ground floor shall be designed with a high enough floor to floor height so as to accommodate future retail space within the ground floor footprint of the garage, as the University may elect to do so.

**D. DESIGN OBJECTIVES**

The Architectural Design of Parking Garages III shall be designed with an appropriate and acceptable architectural design to enhance, embrace and reflect the existing campus fabric and architectural elements. Additional project objectives include:

**1. LANDSCAPING AND EXTERIOR LIGHTING**

Landscaping and exterior lighting shall be incorporated into the design for function, aesthetics, security and safety. All garage lighting shall be designed to minimize energy usage while providing safe lighting levels at all times of the day. The use of timers and/or solar devices is encouraged.

**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. 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. At the University's discretion, this project may be designed and built to a minimum of Silver level of the U. S. Green Building Council's LEED standard or equivalent.

4. CONNECTIVITY

The design shall provide for the connectivity to essential voice data and life-safety reporting systems.

5. PROJECT BUDGET

The University expects the architect to design and produce 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 without University approval.

E. 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 project will not have classroom space.

B. ACADEMIC PROGRAM REVIEWS

Not Applicable

C. RECOMMENDATIONS OF THE REVIEW CONSULTANTS

Not Applicable

C. JUSTIFICATIONS

Not Applicable



**A. FACILITY DEFICIENCIES**

Currently, the campus does not have adequate parking to meet its current needs and this condition will worsen with the growth of the campus and its population. As the campus continues to grow, many of the existing surface lots have been marked for future construction, thereby putting a greater burden on the existing parking shortage. This campus parking requirement is more urgent with the opening of the new FAU Stadium with a capacity of 30,000 seats.

**B. ALTERNATIVE SOLUTIONS**

The university has explored the construction of additional surface lots, however this is not a viable solution since land is extremely valuable and the net gain of parking would not be sufficient to meet the parking needs.

**C. QUANTITATIVE ANALYSIS OF PROGRAM SPACES**

Not Applicable

**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.

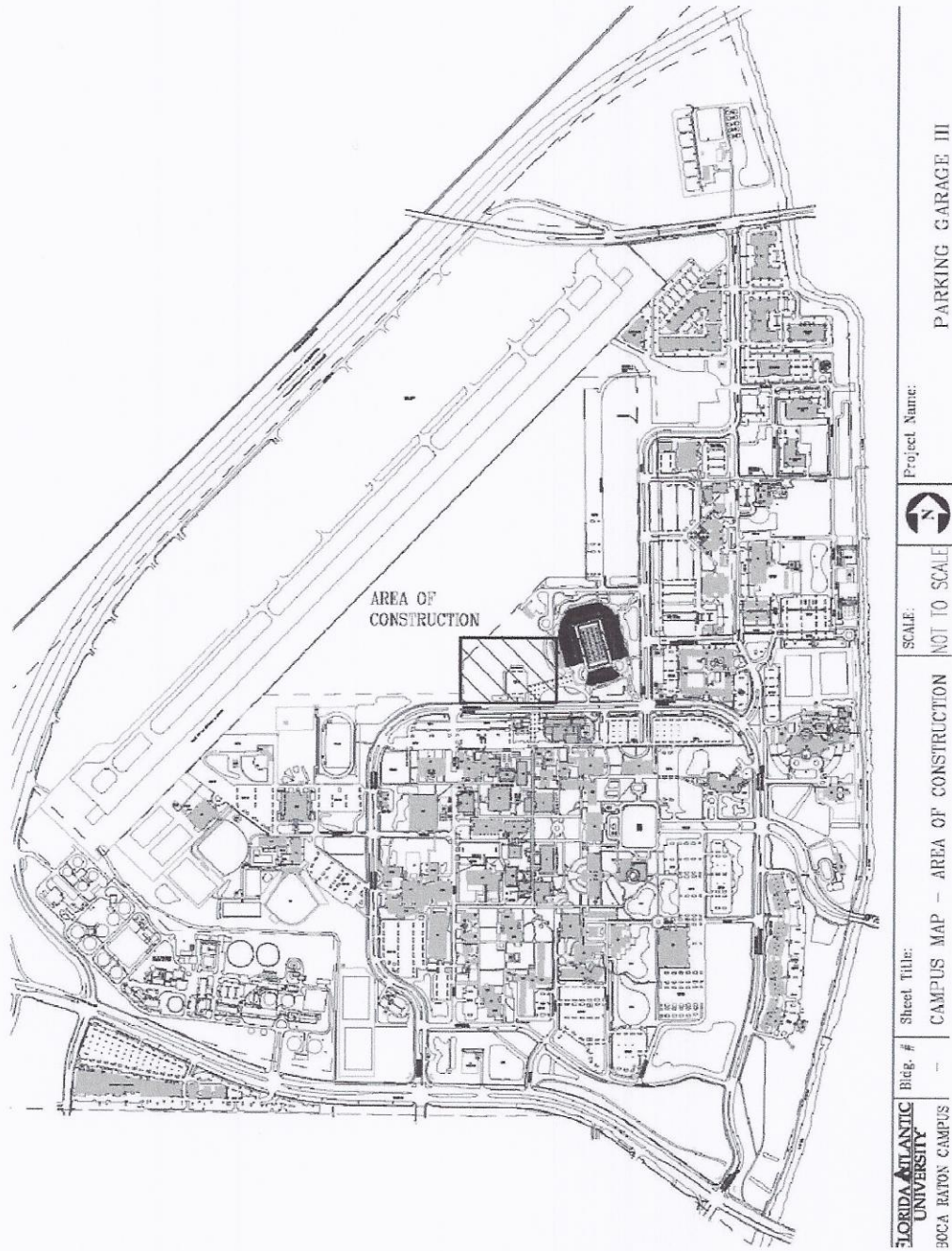
## A. SITE CONDITIONS

- 
1. **SITE TOPOGRAPHY** (CM-N-04.00-09/97 B.1)  
The site is a level site west, north and including the area of existing parking lot 11.
  2. **STORM DRAINAGE** (CM-N-04.00-09/97 B.2)  
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)  
Vehicular, pedestrian and service circulation to the site will require study by the selected design consultant.
  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.
  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

# BT- 698 PARKING GARAGE III

## B. CAMPUS MAP & SITE MAPS

The following map of the existing Boca Raton Campus shows the proposed location of Garage III. See the existing infrastructure drawings in Section X.





## A. PROGRAM AREA TABLE

This program is for one 1,000 +/- car parking structure with the ability to expand by an additional 1,000 spaces. The first floor shall be of a height that can accommodate future retail space, if the University elects to incorporate such space. Some storage areas, data rooms and electrical rooms will need to be provided below the ramps on the first floor.

## 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 that are available for viewing at <http://wise.fau.edu/facilities/uavp/>.

- 1) As the site is relatively flat, the building site shall be designed to assure positive drainage away from the building.
- 2) Telephone and data services shall be provided in accordance with the standards specified in Section XI of this program.
- 3) Provide meters, according to FAU standards and guidelines, for all utilities serving the building.
- 4) 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.
- 5) Provide an emergency generator (with lockable screened wall) for a minimum of all life safety functions. Additional capacity to be provided as directed by the University.
- 6) Provide lightning protection per University standards.
- 7) Energy efficient systems and lighting shall be used to the greatest extent possible, in accordance with University standards.
- 8) Provide for the indoor parking and charging of up to 20 golf carts.
- 9) Provide conduit for voice and data connectivity to the existing campus backbone.
- 10) Provide for connectivity to the existing campus energy management system and life safety systems.

The building shall have 100% sprinkler protection.

## C. SAMPLE SPACE DESCRIPTION FORMS

Not applicable.

**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. **AIR CONDITIONING:** (SUS CM-N-04.00-09/97 A)  
Provide separate stand-alone systems for garage and retail spaces. It is possible VRF systems would be the most efficient choice.

---

  2. **ELECTRICAL:** (SUS CM-N-04.00-09/97 C)  
Pick up existing medium voltage preferred and alternate feeders at switch cabinets at stadium. Extend duct bank to west most area of parking garage site and set switch cabinets as required.

---

  3. **POTABLE WATER:** (SUS CM-N-04.00-09/97 D)  
The existing water supply 12" pipe is just south of the site just north of North University Blvd. The location of new fire hydrants, and access to them must comply with the City Fire Department. The water supply loop on campus has three tie-in points to the City Water supply source. There is no capacity limit from the City Water source. There is an FAU dig permit required before digging. Provide separate backflow preventers for Fire Protection and Domestic water. Metering to be per FAU Engineering & Utilities standards.

---

  4. **SANITARY:** (SUS CM-N-04.00-09/97 D)  
Existing 12 inch forced main is located just south of the site and just north of North University Blvd. A lift station shall be provided with appropriate metering at an appropriate location to pump to the existing FM. There is an FAU dig permit required before digging.

---

  5. **IRRIGATION:** (SUS CM-N-04.00-09/97 E)  
The supply source for irrigation is an existing 12 inch reuse pipe located just north of North University Blvd.. This 12 inch main will need to be extended westward to the west border of the site and valved off for future expansion. Site irrigation piping with controls and metering as dictated by Physical Plant shall be installed. There is an FAU dig permit required before digging.

---

  6. **STORM WATER MANAGEMENT:**  
The South Florida Water Management District issues permits for each project on Campus. The Campus does have a blanket agreement with SFWMD including retention areas. The Lake Worth Drainage District requests the opportunity to review projects on Campus. There is an FAU dig permit required before digging.

---

  7. **NATURAL GAS:**  
It is normal for the gas company to provide installation of an appropriately sized gas line and meter to the building(s) and then for the contractor to provide low pressure piping on the building side of the meter to any equipment utilizing gas. Determination will be coordinated through the local gas company.

---

  8. **TELECOMMUNICATIONS:**  
The backbone cabling will be provided by the IRM Consultant.

---

  9. **FIRE ALARM SYSTEM:**  
A fire alarm system will be installed with audio visual devises, pull stations, elevator recall and sprinkler flow alarms connected to police station via automatic dialer.
- 

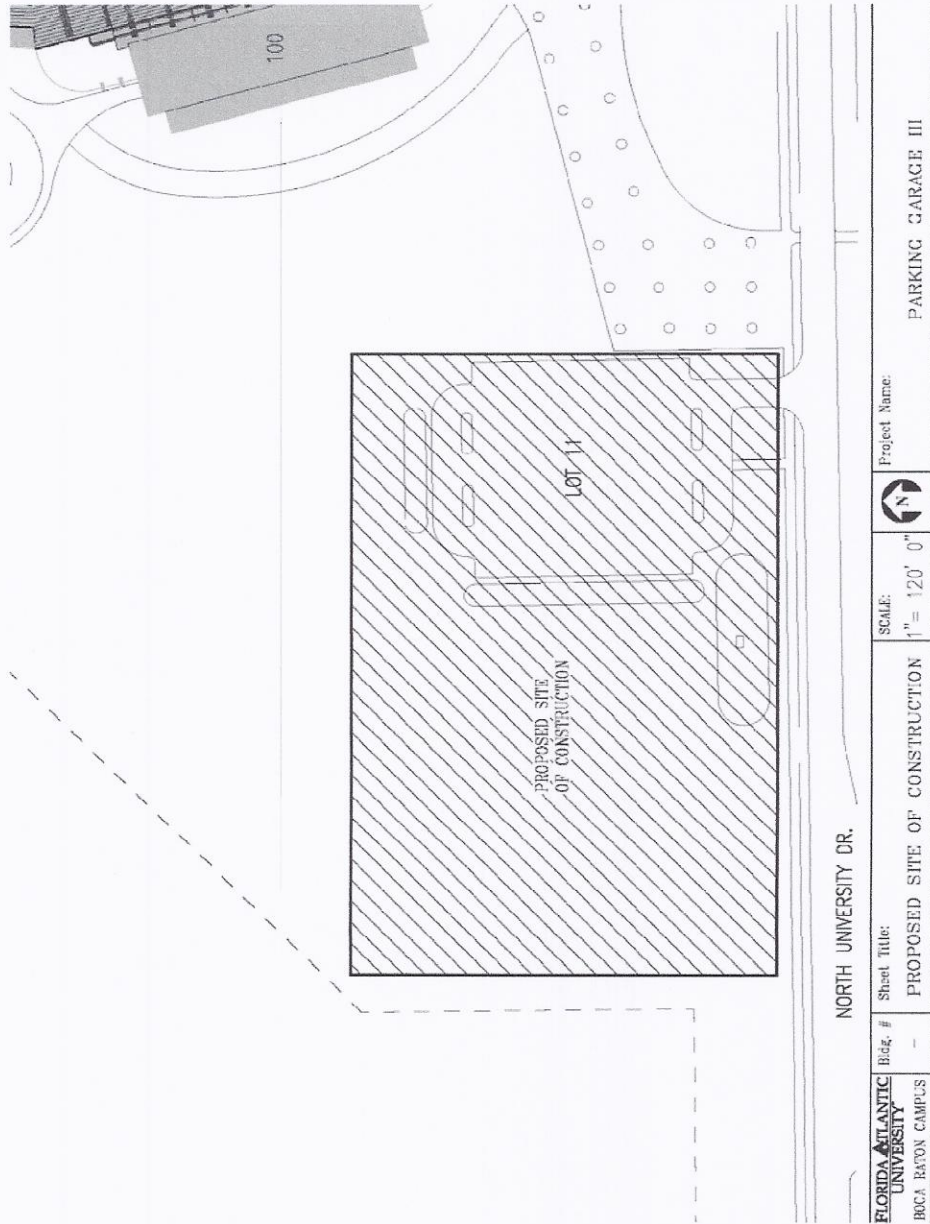
**B. INFRASTRUCTURE MAPS**

The following infrastructure planning drawings for the site are available from the Division of Facilities office. These are to be used only as a general guide during the design process

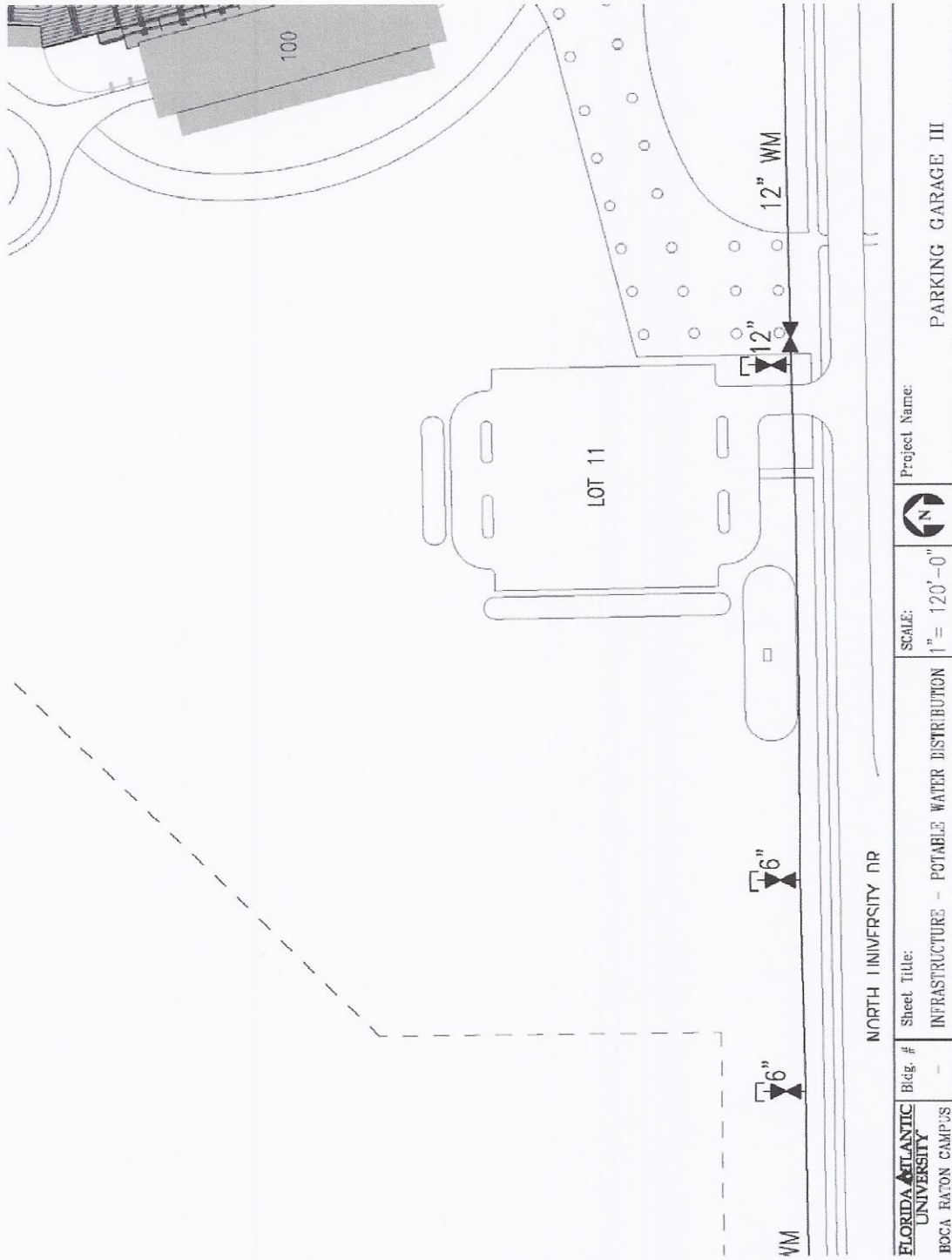


**BT- 698 PARKING GARAGE III**

and are to be used for information in the selection process only. All existing utilities and conditions will be verified by the design team.

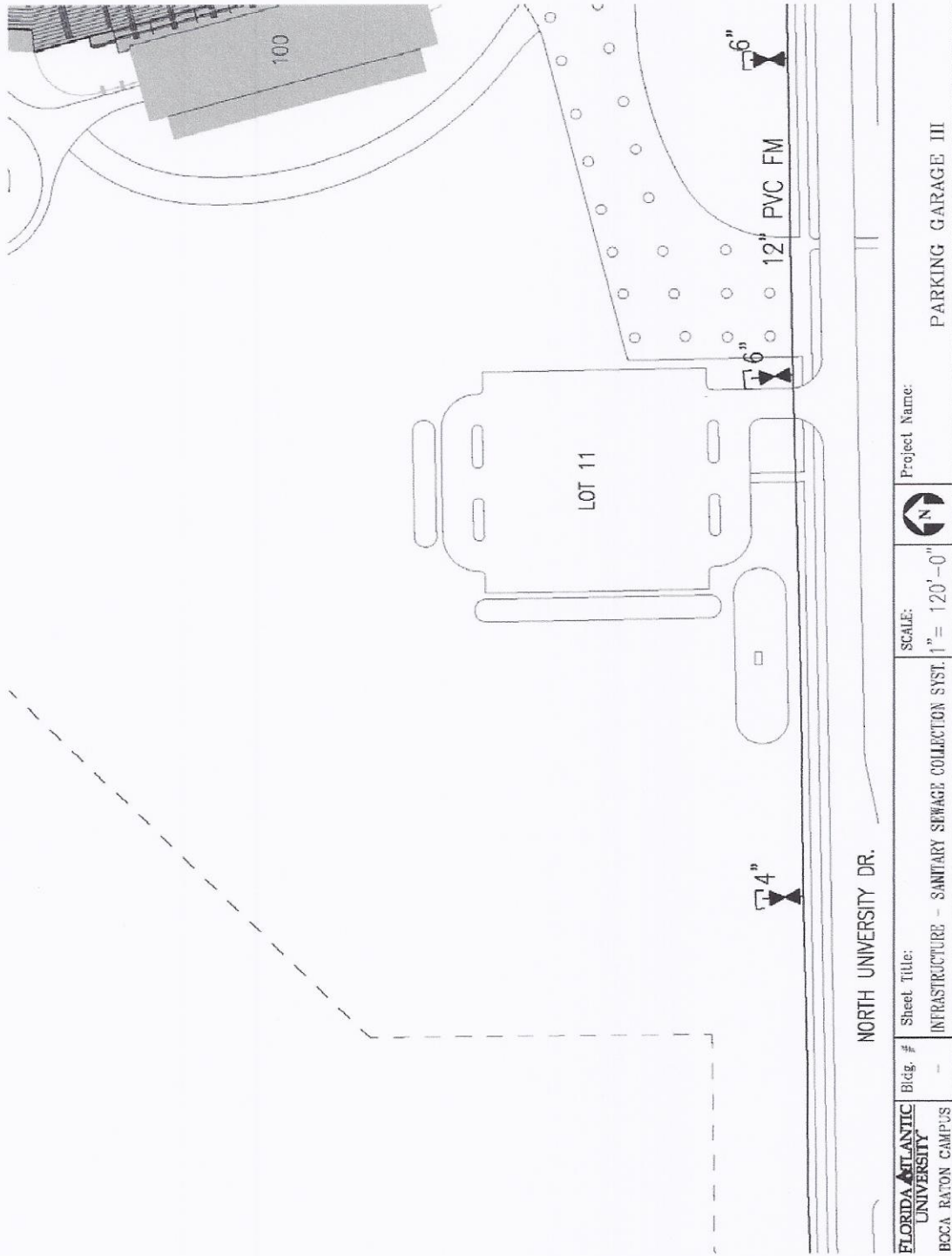


**BT- 698 PARKING GARAGE III**



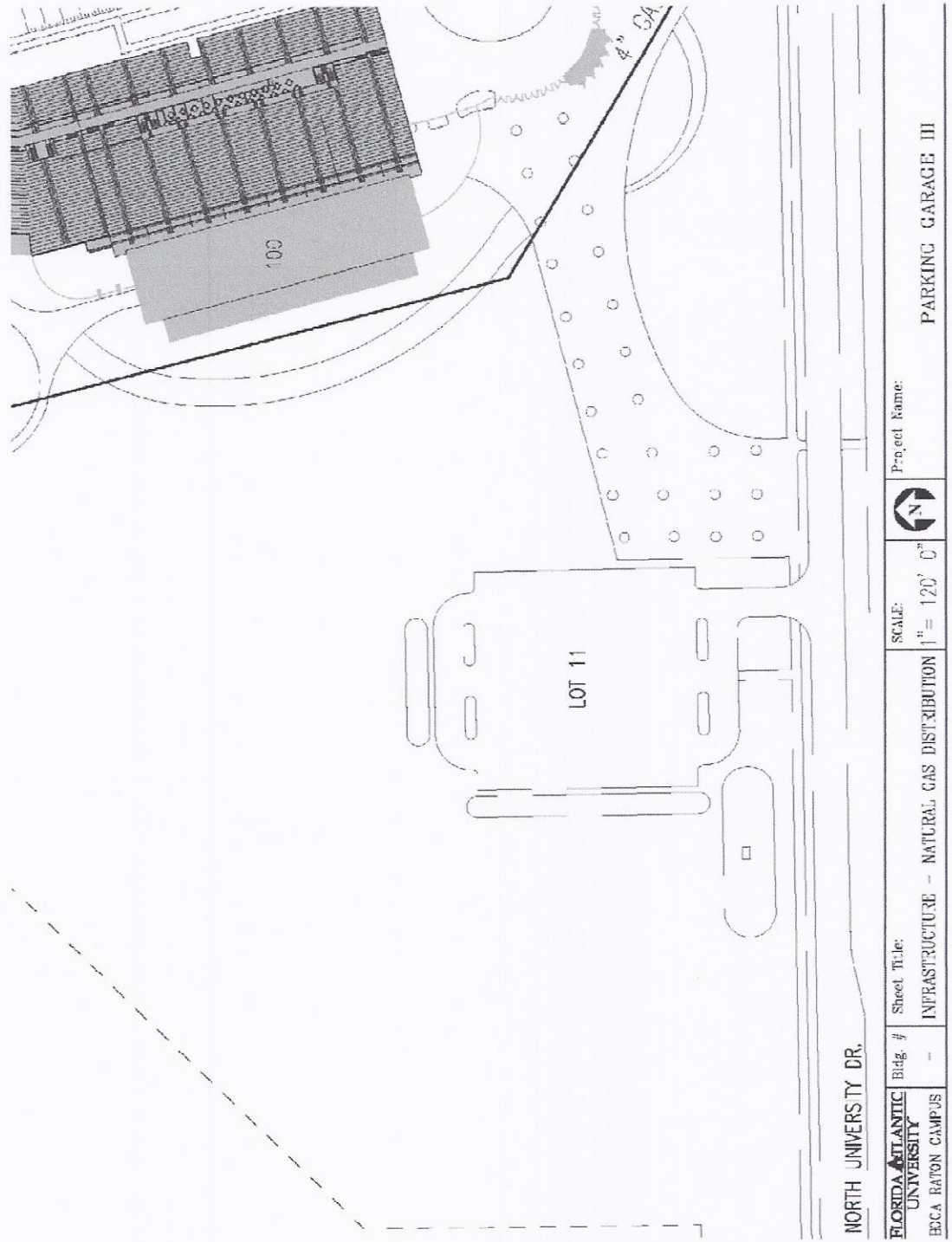


BT- 698 PARKING GARAGE III

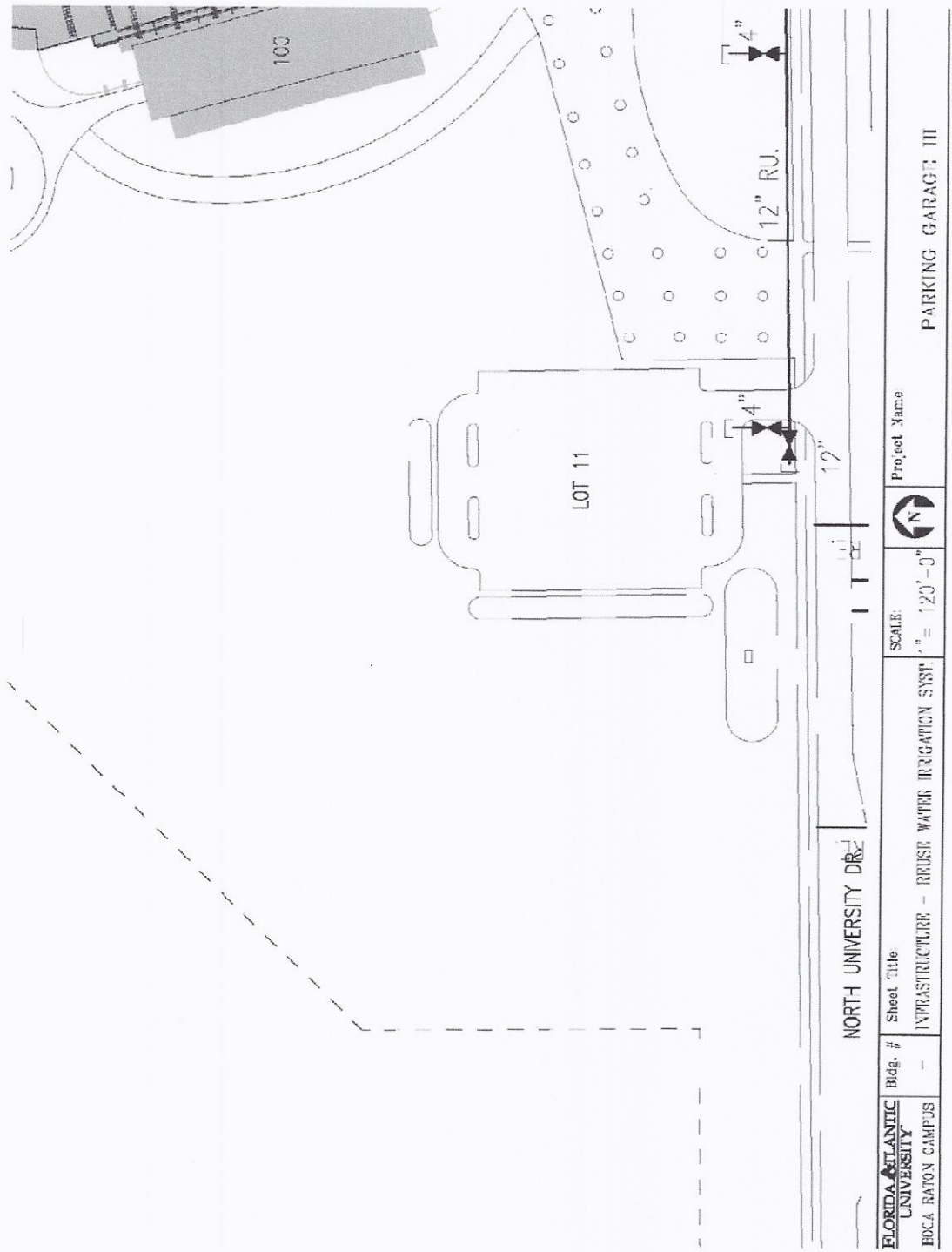


<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. #	Sheet Title:	SCALE:		Project Name:
	-	INFRASTRUCTURE - SANITARY SEWAGE COLLECTION SYST.	1" = 120'-0"		

BT- 698 PARKING GARAGE III

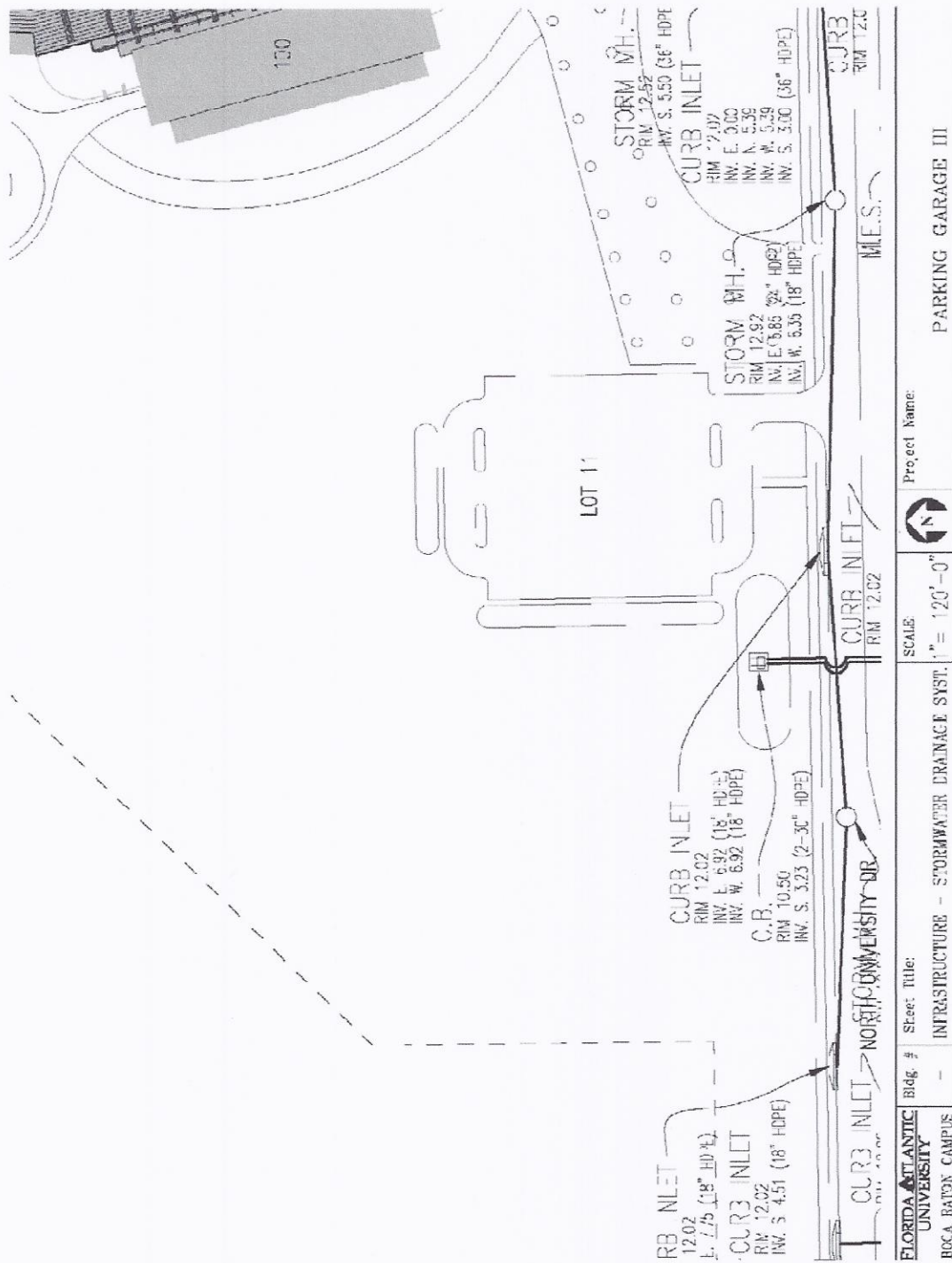


BT- 698 PARKING GARAGE III



<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. #	Sheet Title	SCALE	Project Name
	-	INFRASTRUCTURE - BRUSE WATER IRRIGATION SYST.	1" = 120'-0"	PARKING GARAGE III

BT- 698 PARKING GARAGE III



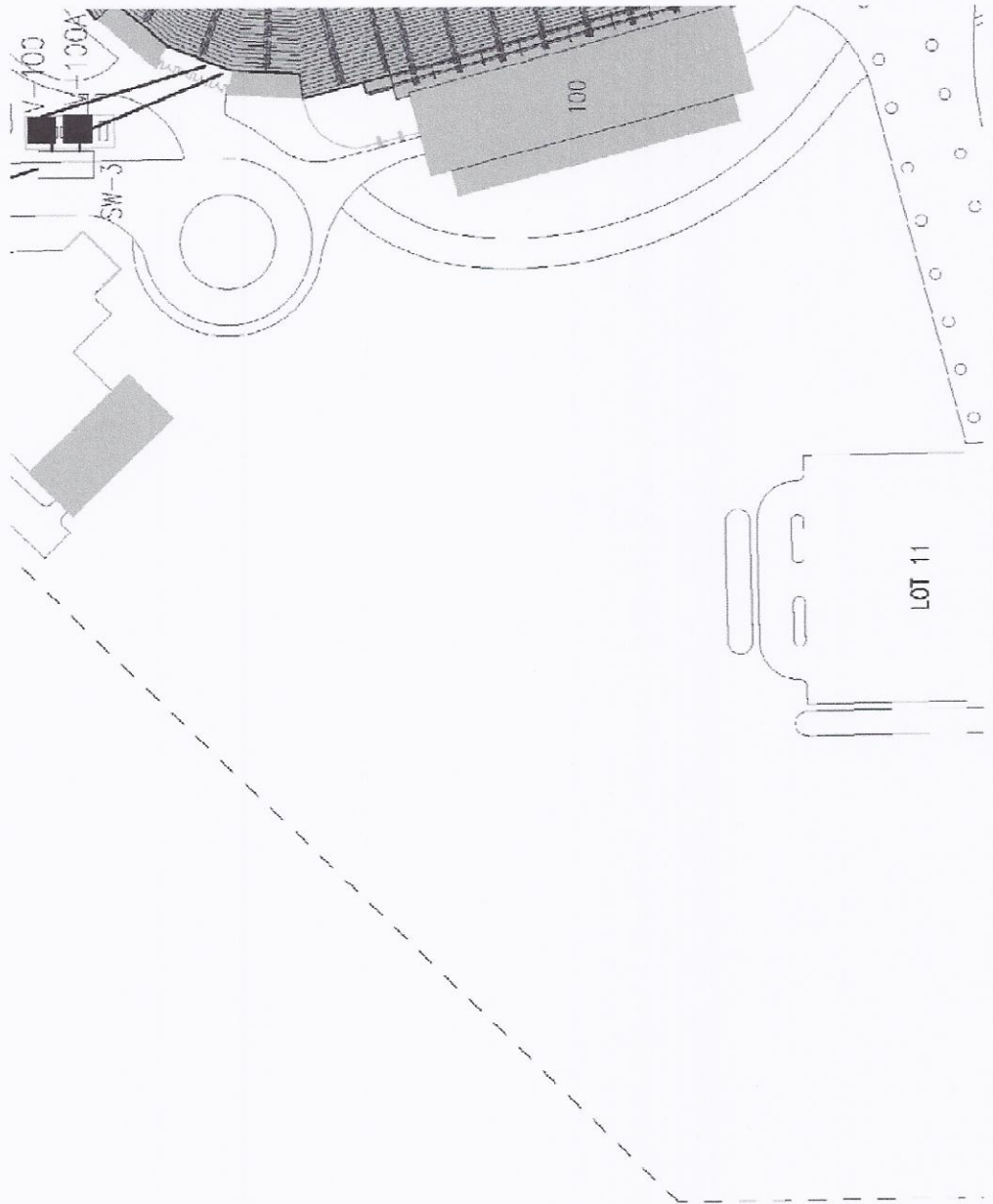
**FLORIDA ATLANTIC UNIVERSITY**  
 BOCA RATON CAMPUS



Bldg. # -  
 Street Title: INFRAStructure - STORMWATER DRAINAGE SYST.

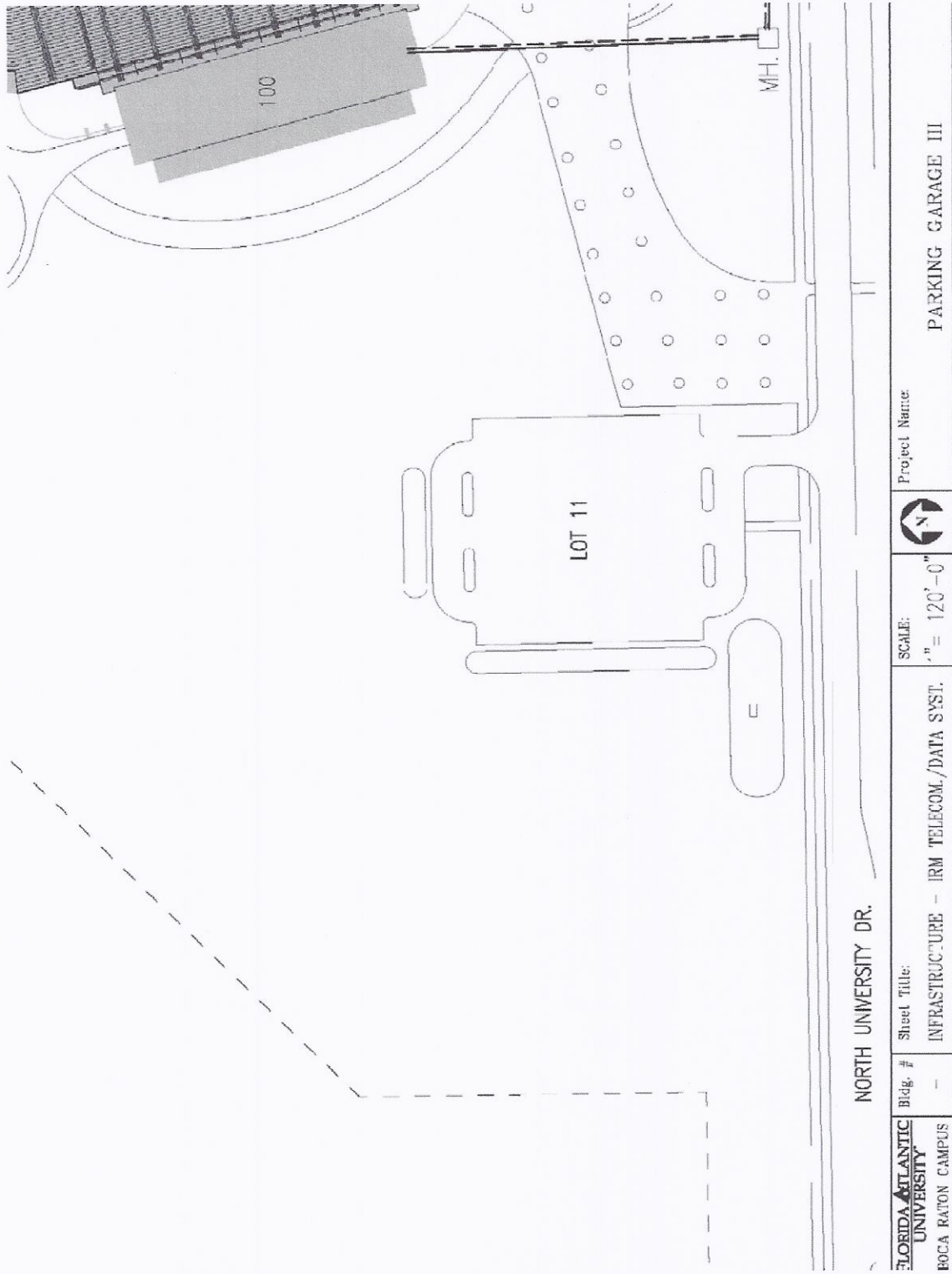



BT- 698 PARKING GARAGE III



<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	B.c.d. # -	Sheet Title: INFRASTRUCTURE - HIGH VOLTAGE EL. DIST.	SCALE: 1" = 120'-0"		Project Name: PARKING GARAGE III
---	---------------	---	------------------------	--	-------------------------------------

**BT- 698 PARKING GARAGE III**



<b>FLORIDA ATLANTIC UNIVERSITY</b> BOCA RATON CAMPUS	Bldg. # -	Sheet Title: INFRASTRUCTURE - IRM TELECOM./DATA SYST.	SCALE: 1/4" = 120'-0"		Project Name: PARKING GARAGE III
---	--------------	--	--------------------------	---	-------------------------------------

## **XI. INFORMATION / COMMUNICATIONS RESOURCES REQUIREMENTS**

### **BT- 698 PARKING GARAGE III**

#### **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.

See the consolidated IRM cost estimate on the following page.

The following is a consolidated estimate of IRM costs for each garage. These costs are included in the project budget in Section XV of this program:

**BT- 698 PARKING GARAGE III**

Project: Parking Garage 3 Phase 1 of 3  
 Date Submitted: October 21, 2011

**IRM Required Elements**

ELEMENT	AMOUNT	NOTES/QUANTITIES
<b>Jade</b>		
Inside and Outside Plant - voice/data/video	\$ 34,400.00	
Internal Wireless Access Points with Installation	\$ 44,800.00	16 WAPs
External Wireless Access Points with Installation		
<b>Siemens</b>		
Voice Switching Requirements	\$ 3,500.00	
<b>Cisco</b>		
Data Switches, Routers, Devices	\$ 76,946.80	
<b>Voice/Data/Security/ Misc Vendors</b>		
Phone Sets		
UPS	\$ 3,000.00	
Emergency Phone		
Inside	\$ 5,200.00	16 sets
Outside (Solar Panel w/ Pedestal)		
Automatic Lock Down		
BellSouth/PaeTec		
1FBs	\$ 342.00	2 fire alarms
Special Circuits		
Alarms		
OPX		
Total IRM Infrastructure	\$ 168,188.80	
IRM Faceplate Allowance	\$ 2,400.00	\$150 ea
Total IRM Costs	\$ 170,588.80	

**End User Requirements As Indicated in Program**

Vendors (various - no set vendor contract)	NA
5m Distance Learning Classroom (25-40 seats)	NA
Distance Learning Classroom (50+ seats)	NA
Conf Room w/ Video	NA
Basic Electronic Classroom	NA
Teaching Auditorium w/o Distance Learning	NA
Teaching Auditorium with Distance Learning	NA
Cable TV	NA
Total End User Requirements	

**IRM TOTAL PROJECT BUDGET**

IRM Infrastructure Costs	\$ 170,588.80
End User Requirement Costs	
Total IRM Project Costs	\$ 170,588.80

**NOTES AND ASSUMPTIONS**

This quote covers Phase 1 only and does not include infrastructure for retail space and/or the 1,000 parking spaces addition.



**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	<b>Year</b>	<b>Title</b>
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 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 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*

**CONSTRUCTION MANAGEMENT PROJECT DELIVERY METHOD**

<b>Project: PARKING GARAGE III</b>			<b>Date: 10/26/2011</b>	
<b>GOALS AND MILESTONES</b>	<b>DURATION</b>	<b>START DATE</b>	<b>END DATE</b>	
<b>PROGRAM APPROVAL</b>	<b>3 weeks</b>	<b>22-Oct-2011</b>	<b>14-Nov-2011</b>	<b>0.1 Years</b>
Complete Program Development	2 weeks	24-Oct-2011	07-Nov-2011	
Approvals and Signatures	1 weeks	07-Nov-2011	14-Nov-2011	
<b>A/E SELECTION PROCESS</b>	<b>12 weeks</b>	<b>14-Nov-2011</b>	<b>06-Feb-2012</b>	<b>0.2 Years</b>
Advertise for A/E in FAW	7 weeks	14-Nov-2011	02-Jan-2012	
<b>BOARD OF TRUSTEES DECEMBER COMMITTEE MEETING</b>				
A/E Short-list	1 weeks	02-Jan-2012	09-Jan-2012	
A/E Interviews & Selection	2 weeks	09-Jan-2012	23-Jan-2012	
Contract Negotiations with A/E	2 weeks	23-Jan-2012	06-Feb-2012	
<b>C/M SELECTION PROCESS</b>	<b>13 weeks</b>	<b>14-Nov-2011</b>	<b>13-Feb-2012</b>	<b>0.2 Years</b>
Advertise for C/M in FAW	7 weeks	14-Nov-2011	02-Jan-2012	
C/M Short-list	2 weeks	02-Jan-2012	16-Jan-2012	
<b>BOARD OF TRUSTEES JANUARY FULL SESSION</b>				
C/M Interviews & Selection	2 weeks	16-Jan-2012	30-Jan-2012	
Contract negotiations with C/M	2 weeks	30-Jan-2012	13-Feb-2012	
<b>DESIGN PHASE</b>	<b>22 weeks</b>	<b>06-Feb-2012</b>	<b>09-Jul-2012</b>	<b>0.4 Years</b>
Master Planning, Schematic Design	2 weeks	06-Feb-2012	20-Feb-2012	
Advanced Schematic Design review and approval	4 weeks	20-Feb-2012	19-Mar-2012	
<b>BOARD OF GOVERNORS MARCH DBF MEETING</b>				
Design Development and Budget verification	4 weeks	19-Mar-2012	16-Apr-2012	
Design Development review and approval	2 weeks	16-Apr-2012	30-Apr-2012	
<b>BOND PROCEEDS - MAY 2013</b>				
100% Construction Documents and Budget update	6 weeks	30-Apr-2012	11-Jun-2012	
100% Construction Documents review and approval	2 weeks	11-Jun-2012	25-Jun-2012	
Code Review, submittal to SFM, GMP	4 weeks	11-Jun-2012	09-Jul-2012	
<b>CONSTRUCTION PHASE</b>	<b>38 weeks</b>	<b>09-Jul-2012</b>	<b>01-Apr-2013</b>	<b>0.7 Years</b>
Notice to Proceed	1 weeks	09-Jul-2012	16-Jul-2012	
Construction	32 weeks	16-Jul-2012	25-Feb-2013	
Substantial Completion & Inspection	1 weeks	25-Feb-2013	04-Mar-2013	
Punchlist Corrective Work & Final Inspection	3 weeks	04-Mar-2013	25-Mar-2013	
Owner Move in / Occupancy	1 weeks	25-Mar-2013	01-Apr-2013	
<b>Total</b>	<b>75 weeks</b>	<b>22-Oct-2011</b>	<b>01-Apr-2013</b>	<b>1.4 Years</b>

Yellow highlight in the schedule above depict approximate bond process and approval dates.



**A. ESTIMATED FUNDING**

<b>FUNDING</b>		
Traffic and Parking Funds for Design, Pre-construction, Surveys and Permits (to be reimbursed from bond funds)	\$750,000.00	
Bonds (includes \$750,000.00 to be re-paid to Traffic & Parking)		\$12,750,000.00
<b>TOTAL PROJECT FUND *</b>		<b>\$12,750,000.00</b>

\* Bond issuance costs are estimated at \$350,000, and are not included in the total bonds figure above, nor the estimated project costs in the Budget Summaries that follow.

**C. ESTIMATED BUDGET SUMMARY**

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

<b>ESTIMATED BUDGET SUMMARY</b>			
	<b>GSF</b>	<b>\$\$/Space</b>	<b>Total \$\$</b>
<b>1 Construction Costs</b>			
a. Construction Costs	1,000	10,000.00	\$10,000,000.00
b. Additional/Extraordinary Construction Costs		500.00	\$500,000.00
c. Inflation Escalation		-	\$0.00
<b>Sub Total Construction Costs</b>	<b>1,000</b>	<b>10,500.00</b>	<b>\$10,500,000.00</b>
<b>2 Other Project Costs</b>			
a. Land/existing facility acquisition/Relocations			\$0.00
b. Professional Fees		\$	812,000.00
c. Fire Marshal Fees			\$26,300.00
d. Inspection Services			\$129,400.00
e. Insurance Consultant			\$6,600.00
f. Surveys and Tests			\$24,000.00
g. Permit/Impact/Environmental Fees			\$5,000.00
h. Art Work			\$0.00
i. Movable Furnishings & Equipment			\$341,100.00
j. IRM Costs			\$170,600.00
k. Project Contingencies			\$420,000.00
l. Campus Infrastructure			\$315,000.00
<b>Sub Total Other Project Costs</b>			<b>\$2,250,000.00</b>
<b>TOTAL PROJECT BUDGET</b>			<b>\$12,750,000.00</b>

**XV. PROJECT BUDGET SUMMARY**

**BT- 698 PARKING GARAGE III**

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

**Bond issuance costs are not included in the Project Budget below.**

Project: PARKING GARAGE III - 1000 Cars, exp. to 2,000 w/ allow. for future retail		Revised:	10/28/2011
<b>WORKSHEET FOR SECTION XV, PROJECT BUDGET SUMMARY</b>			
Fill in the Yellow shaded area only		Return to:	XV. Summary
Automatic entry in Light Green		Worksheets:	Schedule
			IX. Program
			Program
PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)			
Inflation Adjustment	1	Years @	0.00 % Effective Rate
Construction Phase Duration	1	Years	
Design Phase Duration	1	Years	Estimated Budget
	0.71471		Target Budget
			\$ 12,750,000.00
			\$ 12,750,000.00
<b>SPACESUMMATION (from Section IX of Facilities Program)</b>			
<b>Program Space Type (New Construction)</b>	<b>Spaces each</b>	<b>Garages</b>	<b>Spaces</b>
1000 Car Parking Garage	1,000	1	1,000
			Cost/Space
			10,000.00
			Costs in \$
			\$10,000,000.00
			\$0.00
Subtotal Building Construction	1,000	1	1,000
			Rounded to 100
			\$10,000,000.00
<b>1 CONSTRUCTION COSTS (Reference: SUS CM-D-38.00-09/97, Attachment 1-B)</b>			
<b>a. Building Construction Cost</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Costs in \$</b>
New Construction Cost	1,000 Parking Spaces		\$10,000,000.00
<b>Sub-Total Building Construction Costs (today's \$\$)</b>		<b>\$10,000.00</b>	<b>\$10,000,000.00</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	1 Allowance	\$ -	\$0.00
Landscape/Irrigation	1 Allowance	\$ -	\$0.00
Plazas/Walks	1 Allowance	\$ -	\$0.00
Roadway Improvements	1 Allowance	\$ -	\$0.00
Overpass bridge with elevators and stairs	1 Allowance	\$ -	\$0.00
Parking Improvements @ existing surface lots	1 Allowance	\$ -	\$0.00
Electrical Services & Emergency Generators	1 Allowance	\$ -	\$0.00
Water Distribution	1 Allowance	\$ -	\$0.00
Sanitary Sewer System	1 Allowance	\$ -	\$0.00
Chilled Water System	1 Allowance	\$ -	\$0.00
Storm Water System	1 Allowance	\$ -	\$0.00
Telecomm - Concrete encased conduit & interior conduit by AE and CM. Wire Pulled by FAU. See Other Costs.	1 Allowance	\$ -	\$0.00
<b>Sub-Total Add/Extra Construction Costs - Site Development Allowance for Above Items</b>		<b>Round to 100</b>	<b>\$500,000.00</b>
<b>TOTAL CONSTRUCTION COSTS - BUILDINGS and SITE DEVELOPMENT</b>		<b>10,500.00</b>	<b>\$10,500,000.00</b>
<b>Inflation Adjustment</b>			<b>\$0.00</b>
<b>TOTAL CONSTRUCTION BUDGET</b>		<b>\$ 10,500.00</b>	<b>\$10,500,000.00</b>

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



**BT- 698 PARKING GARAGE III**

<b>2 OTHER PROJECT COSTS</b> Add or delete following items as required.					Costs	Subtotals (rounded)
<b>a. Land/Existing Facility Acquisition/Relocation</b>					\$0.00	\$0.00
<b>b. Professional Fees</b>						
A/E Fees (Curve E. Less Average)	6.00	%			\$ 630,000.00	
Civil Engineering	10.00	%	of AEFee		63,000.00	
Landscape Design Fee (5% of A/E fee)	5.00	%	of AEFee		31,500.00	
Master Planning, Landscaping & Misc Design F	1	Allowance			\$ 35,000.00	
C/M Pre-Construction Services Fee	0.50	%			\$ 52,500.00	
<b>Sub-Total Professional Fees</b>						\$ 812,000.00
<b>c. State Fire Marshal Review and Inspection</b>					\$26,250.00	\$26,300.00
<b>d. Inspection Services</b>						
Roofing Inspection	1	Allowance	\$ 4,000.00		\$4,000.00	
Threshold Inspection	1	Allowance	\$ 50,000.00		\$50,000.00	
Vibro Compaction Monitoring	1	Allowance	\$ 15,000.00		\$15,000.00	
Code Compliance Inspection (weekly)	0.500%	of Bldg Construction Cost			\$52,500.00	
Plan Review (Code Compliance Inspection)	0.075%	of Bldg Construction Cost			\$7,875.00	
<b>Sub-Total Inspection Services</b>						\$129,400.00
<b>e. Risk Management / Insurance Consultant</b>					\$6,300.00	\$6,600.00
<b>f. Surveys &amp; Tests</b>						
Topographical/Site Survey	1	Allowance	\$ 12,000.00		\$12,000.00	
Geotechnical Testing	1	Allowance	\$ 12,000.00		\$12,000.00	
<b>Sub-Total Surveys &amp; Tests</b>						\$24,000.00
<b>g. Permit/Impact/Environmental Fees</b>						
Environmental (SFWM)	1	Allowance	\$ 5,000.00		\$5,000.00	
<b>Sub-Total Permits/Impact Fees</b>						\$5,000.00
<b>h. Art in State Building (Section 255.043, F.S.)</b>					\$0.00	\$0.00
<b>i. Movable Furniture &amp; Equipment</b>						
FFE - Surveillance Equipment	1	Allowance	\$ 250,000.00		\$250,000.00	
FFE - Equipment	1	Allowance	\$ 50,000.00		\$50,000.00	
FFE - Equipment - Custodial & Card Access	1	Allowance	\$ 30,000.00		\$30,000.00	
FFE - Miscellaneous	1	Allowance			\$11,100.00	
<b>Subtotal Movable Furniture &amp; Equipment(FFE)</b>						\$341,100.00
<b>j. IRM Costs</b>						
IRM Cable inside / out	1	Allowance	\$ 79,200.00	\$ 79,200.00		
IRM Data Switch Equipment	1	Allowance	\$ 80,446.80	\$ 80,446.80		
IRM Voice, Data, Video	1	Allowance	\$ 8,542.00	\$ 8,542.00		
IRM # of Drops	16	Drops @	\$150.00	\$2,400.00		
<b>Sub-Total IRM Costs</b>						\$ 170,600.00
<b>k. Project Contingency</b>					\$420,000.00	\$420,000.00
<b>l. Special Design and Construction</b>					\$315,000.00	\$315,000.00
<b>TOTAL OTHER PROJECT COSTS</b>						\$2,250,000.00
<b>TOTAL PROJECT BUDGET COST ESTIMATE</b>					\$12,750.00	\$12,750,000.00

Bond issuance costs are estimated at \$350,000, and are not included in the total project budget presented above.