UNIVERSITY OF HOUSTON SYSTEM
Facilities, Construction & Master Planning Committee
Wednesday, August 12, 2009
10:45 a.m. – 12:00 Noon

AGENDA

UNIVERSITY OF HOUSTON SYSTEM
FACILITIES, CONSTRUCTION AND MASTER PLANNING COMMITTEE MEETING

DATE: **Wednesday, August 12, 2009**

TIME: **10:45 a.m.**

PLACE: **University of Houston**
Athletics/Alumni Center
Melcher Board Room 100B
3100 Cullen Boulevard
Houston, Texas 77204

Chair: **Lynden B. Rose**
Vice Chair: **Carroll Robertson Ray**
Members: **Jim P. Wise**
Kristen Lindley
Welcome W. Wilson, Sr., Ex Officio

FACILITIES, CONSTRUCTION AND MASTER PLANNING COMMITTEE

A. Call to Order

B. Approval is requested to delegate authority to the Chancellor to negotiate and execute an agreement conveying an easement to City of Sugar Land for the construction of an elevated water storage tank and water lines and related agreements – UH System — FC&MP - 1

Action: Approval

C. Approval is requested to delegate authority to the Chancellor to negotiate and execute an agreement conveying an easement to Fort Bend County of the hiking and jogging trail at the University of Houston System at Cinco Ranch – UH System — FC&MP - 2

Action: Approval

D. Approval is requested for the Energy Research Park development program – University of Houston — FC&MP - 3

Action: Approval

E. Approval of the renovation to 4902 Gulf Freeway to create a consolidated warehousing facility – University of Houston — FC&MP - 4

Action: Approval

F. Approval of UH Renovation of Science, Engineering, and Classroom Laboratory build-out Phase III – University of Houston — FC&MP - 5

Action: Approval

G. Approval of the Stadium Parking Garage #1 project – University of Houston — FC&MP - 6

Action: Approval

H. Re-Approval of the Health & Biomedical Sciences Center Building (formerly known as the Optometry addition) – University of Houston — FC&MP - 7

Action: Re-Approval

I. Re-Approval of the Classroom and Business Building (formerly Bauer Business Building III) – University of Houston — FC&MP - 8

Action: Re-Approval

J. Approval of the Naming the Newly Constructed Professional/ Graduate Housing Complex at the University of Houston – University of Houston — FC&MP - 9

Action: Approval

K. Approval is requested to locate a relay communications tower at the University of Houston-Clear Lake – UH-Clear Lake — FC&MP - 10

Action: Approval

L. Approval is requested to amend the University of Houston-Victoria master plan and develop a residence hall/academic service center – UH-Victoria — FC&MP - 11

Action: Approval

M. Status Report of Major Construction Projects – University of Houston — FC&MP - 12

Action: Approval

N. Adjourn

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval is requested to delegate authority to the Chancellor to negotiate and execute an agreement conveying an easement to the City of Sugar Land for the construction of an elevated water storage tank and water lines, and related agreements.

DATE PREVIOUSLY SUBMITTED:

SUMMARY: Approval is requested to delegate authority to the Chancellor to negotiate and execute an agreement conveying under mutually acceptable conditions: (1) an easement to the City of Sugar Land to construct, repair, operate and maintain an elevated water storage tank and associated above and below ground appurtenances and fencing; (2) a water line easement to construct, install, repair, operate and maintain water lines; and (3) associated easements.

The water storage tank and water lines will provide an increased level of service for the existing and proposed facilities at the UH System at Sugar Land campus and provide increased water pressure for future fire and life safety systems, including sprinklers.

FISCAL NOTE: NA

SUPPORTING DOCUMENTATION: Site Map
Easement Summary Background

ACTION REQUESTED: Delegation of Authority to the Chancellor

COMPONENT: University of Houston System

PRESIDENT		**DATE**
		7/30/09
EXECUTIVE VICE CHANCELLOR	Carl Carlucci	**DATE**
Renu Khator		8-4-09
CHANCELLOR	Renu Khator	**DATE**

University of Houston System

Easement to the City of Sugar Land for the construction of an elevated water storage tank

Supporting Information

Background

As a continuing process of partnership with the City of Sugar Land (City) in the development of the University of Houston System at Sugar Land (UHSSL) campus, the City requests an easement for constructing an elevated water storage tank (water tower) and water lines on the UHSSL property. The water tower and water lines will allow adequate supply and pressure for current UHSSL facilities, meet future expansion needs, and serve the interests of the rapidly growing adjacent residential and commercial community.

Cost

There is no cost to UHSSL to grant the easement.

Process

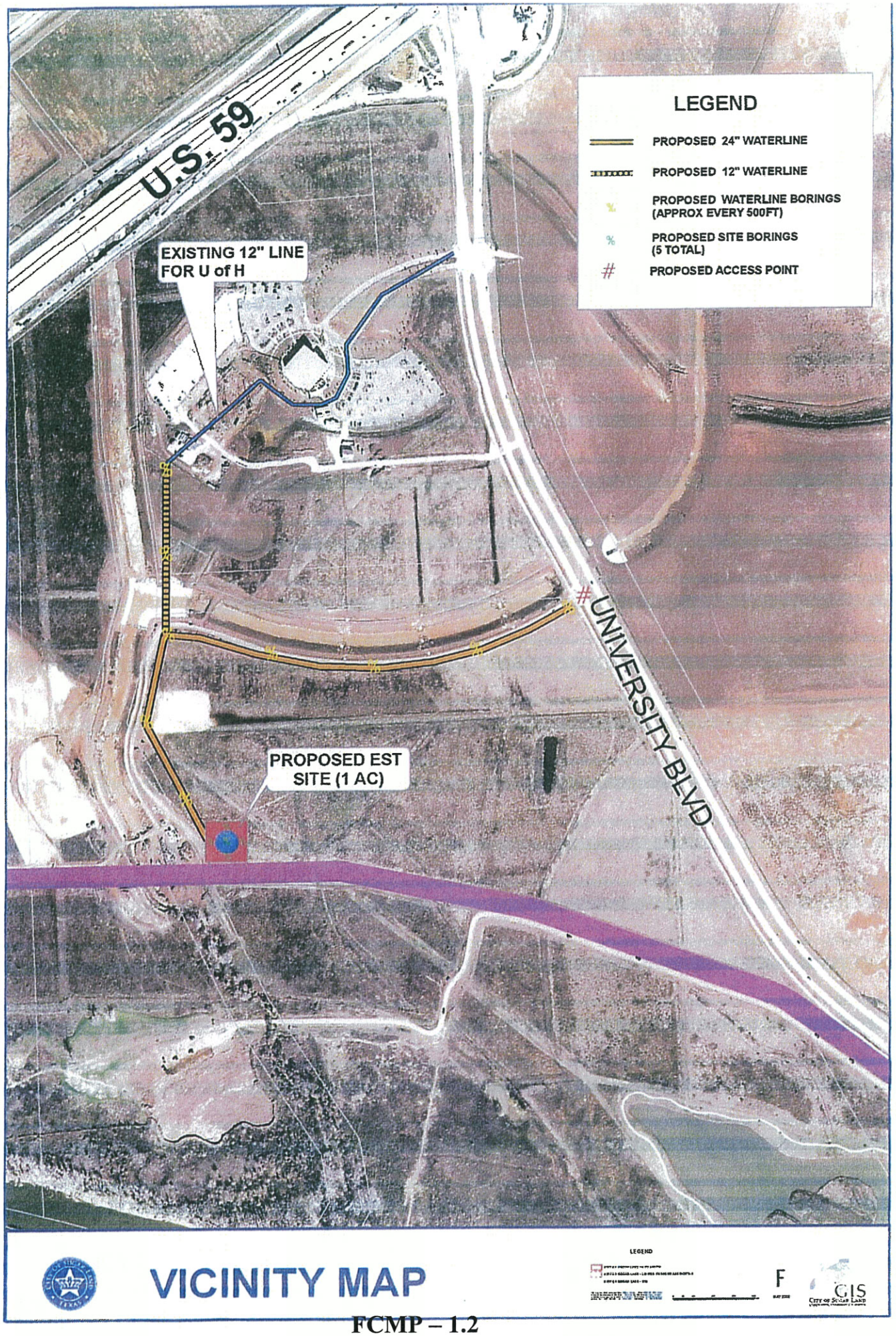
Approval is requested for the delegation of authority to the Chancellor to negotiate and execute an agreement conveying an easement to the City of Sugar Land for the construction of an elevated water storage tank and water lines, and related agreements.

Benefits

- efficient use of public funds
- availability of water for future expansion
- enhancement of City and private sector relationships

Summary

The water storage tank and water lines will provide an increased level of service for the existing and proposed facilities at the UH System @ Sugar Land campus and provide increased water pressure for future fire and life safety systems.


U.S. 59
EXISTING 12" LINE FOR U of H
PROPOSED EST SITE (1 AC)
UNIVERSITY BLVD
LEGEND
PROPOSED 24" WATERLINE
PROPOSED 12" WATERLINE
PROPOSED WATERLINE BORINGS (APPROX EVERY 500FT)
PROPOSED SITE BORINGS (5 TOTAL)
PROPOSED ACCESS POINT
VICINITY MAP
LEGEND
GIS
CITY OF SUGAR LAND

FCMP – 1.2

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval is requested to delegate authority to the Chancellor to negotiate and execute an agreement conveying an easement to Fort Bend County of the hiking and jogging trail at the University of Houston System at Cinco Ranch.

DATE PREVIOUSLY SUBMITTED:

SUMMARY: Approval is requested to delegate authority to the Chancellor to negotiate and execute an agreement conveying an easement of the hiking and jogging trail at the University of Houston System at Cinco Ranch and Sugar Land to Fort Bend County under mutually acceptable conditions.

FISCAL NOTE: NA

SUPPORTING DOCUMENTATION: Aerial & Survey Maps
Cinco Ranch Jogging Trail Summary

ACTION REQUESTED: Delegation of Authority to the Chancellor

COMPONENT: University of Houston System

PRESIDENT		**DATE**
EXECUTIVE VICE CHANCELLOR	Carl Carlucci	**DATE** 7/30/09
CHANCELLOR	Renu Khator	**DATE** 8-4-09

University of Houston System

Easement to Fort Bend County of the hiking and jogging trail at the University of Houston System @ Cinco Ranch

Supporting Information

Background

As a continuing process of partnership with Fort Bend County in the development of the University of Houston System at Cinco Ranch (UHSCR) campus, the County requests an easement for accessing a hiking and jogging trail that currently exists on the edge of the UHSCR campus. The granting of the easement will allow proper maintenance and improvements to the trail, enhancing the condition and utilization of the trail with no interference to campus functionality.

Cost

There is no cost to UHSCR.

Process

Approval is requested for the delegation of authority to the Chancellor to negotiate and execute an agreement conveying an easement to Fort Bend County of the hiking and jogging trail at the University of Houston System @ Cinco Ranch.

Benefits

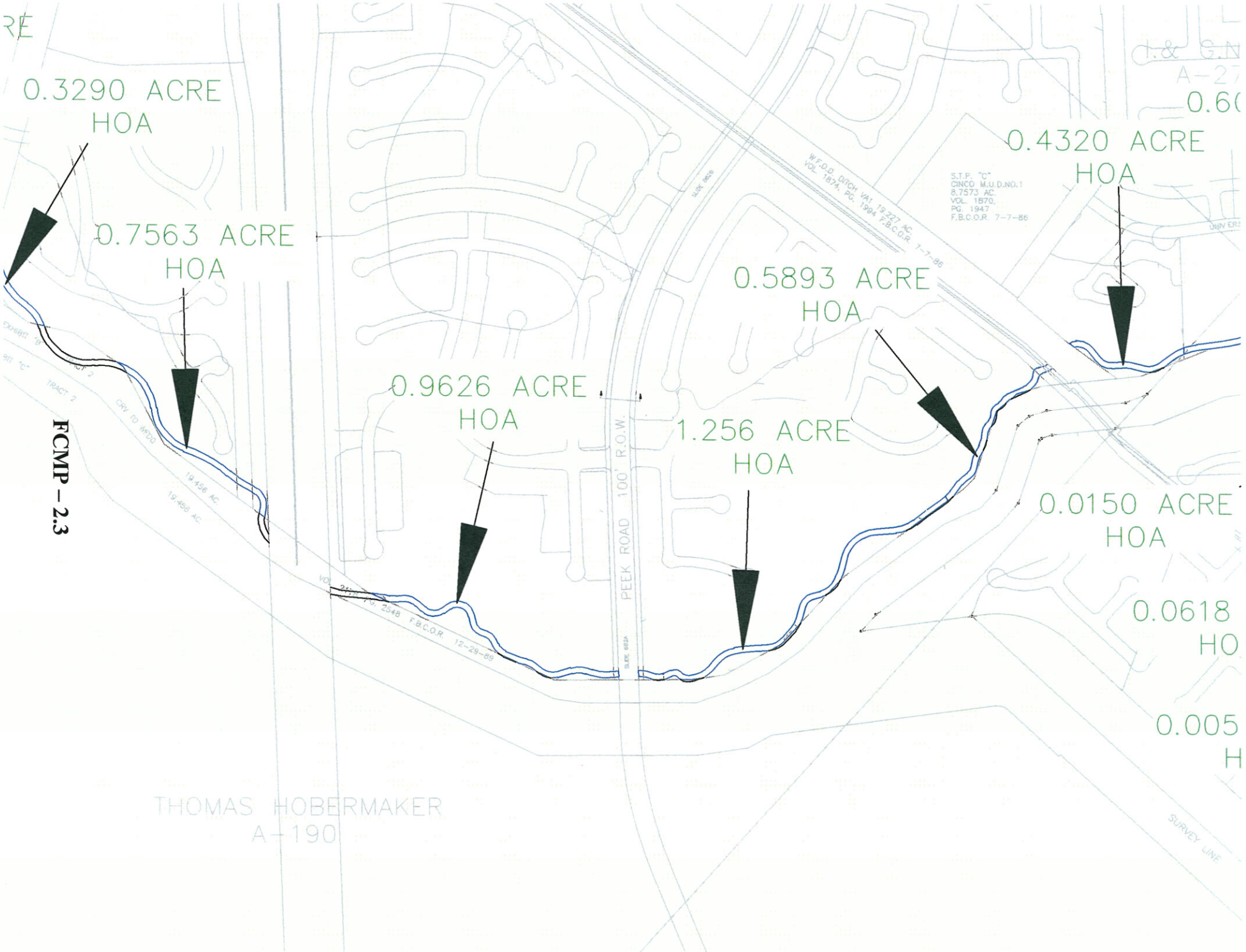
- allows for efficient use of public funds
- enhances county, university and community relations
- enhances condition of university property

Summary

Granting an easement to Fort Bend County allows them to improve and attend to the condition of the hiking and jogging trail on the UHSCR property. The relationship with the county is enhanced, the community is better served and the university property is improved at no cost to the System.


CASSIDY PARK LN
STACKSTONE LN
DS-4
3.00 AC.
(SEE NOTE 2)
AUTUMN MIST CT

FCMP – 2.2


0.3290 ACRE
HOA
0.7563 ACRE
HOA
0.9626 ACRE
HOA
1.256 ACRE
HOA
0.5893 ACRE
HOA
0.4320 ACRE
HOA
0.0150 ACRE
HOA
0.0618
HO
0.005
H
PEEK ROAD 100' R.O.W.
W.F.D.D. DITCH VA1 19.227 AC.
VOL. 1874, PG. 1994 F.B.C.O.R. 7-7-86
S.T.P. "C"
CINCO M.U.D.NO.1
8.7573 AC.
VOL. 1570,
PG. 1947
F.B.C.O.R. 7-7-86
TRACT 2
CRV TO WFDD
19.458 AC.
19.458 AC.
VOL. 24... PG. 234B F.B.C.O.R. 12-29-89
THOMAS HOBERMAKER
A-190
SURVEY LINE

FCMP – 2.3

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning Committee

ITEM: Approval is requested for the Energy Research Park development program.

DATE PREVIOUSLY SUBMITTED: N/A

SUMMARY: Approval is requested for the program and corresponding site improvements at University Business Park as part of the Energy Research Park.

University Business Park, scheduled for acquisition closing August 12, 2009, will be developed as part of the Energy Research Park. As such it requires renovation, deferred maintenance and repair of the 68 acre site and a number of the facilities to accommodate UH needs and improve marketability to outside tenants. It also requires extensive upgrades and enhancements to meet University and outside tenant requirements.

This project will undertake these improvements and enhancements and are outlined in the attached summary.

FISCAL NOTE: N/A

SUPPORTING DOCUMENTATION: Energy Research Park Program

ACTION REQUESTED: Approval

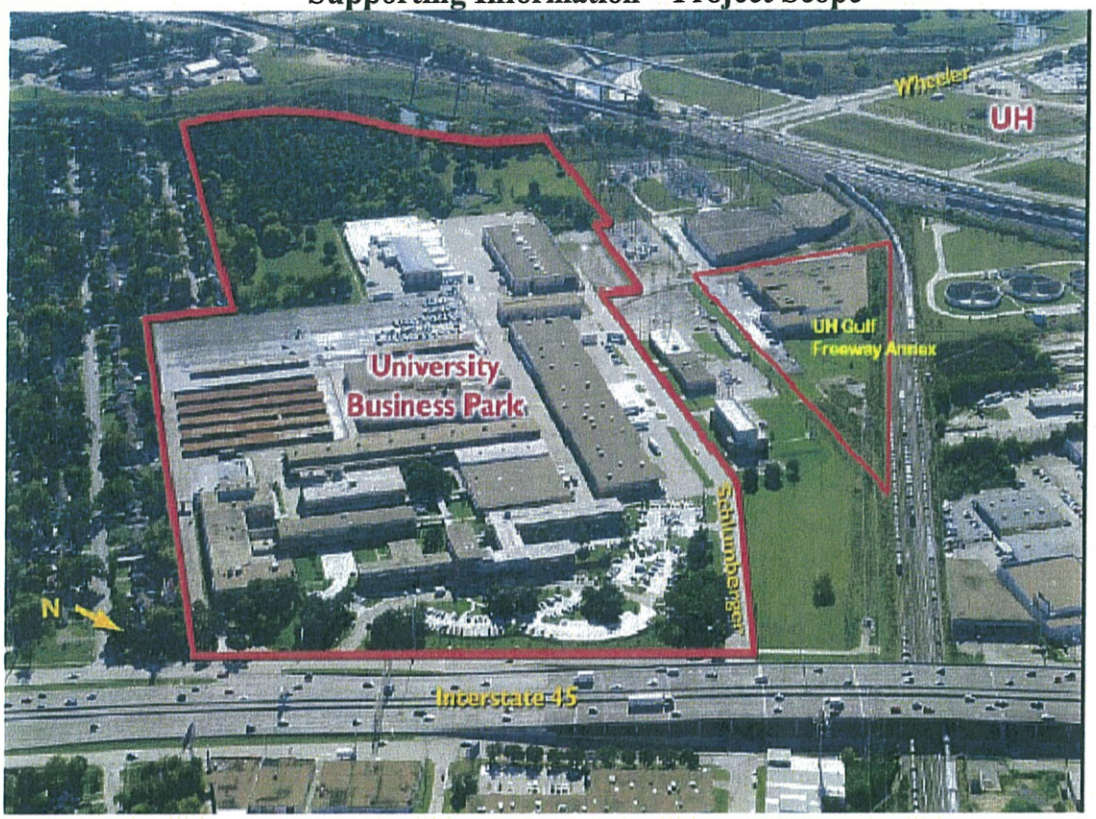
COMPONENT: University of Houston

Renu Khator 8-4-09
PRESIDENT Renu Khator **DATE**

7/30/09
EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE**

Renu Khator 8-4-09
CHANCELLOR Renu Khator **DATE**

University of Houston
Energy Research Park
Supporting Information – Project Scope



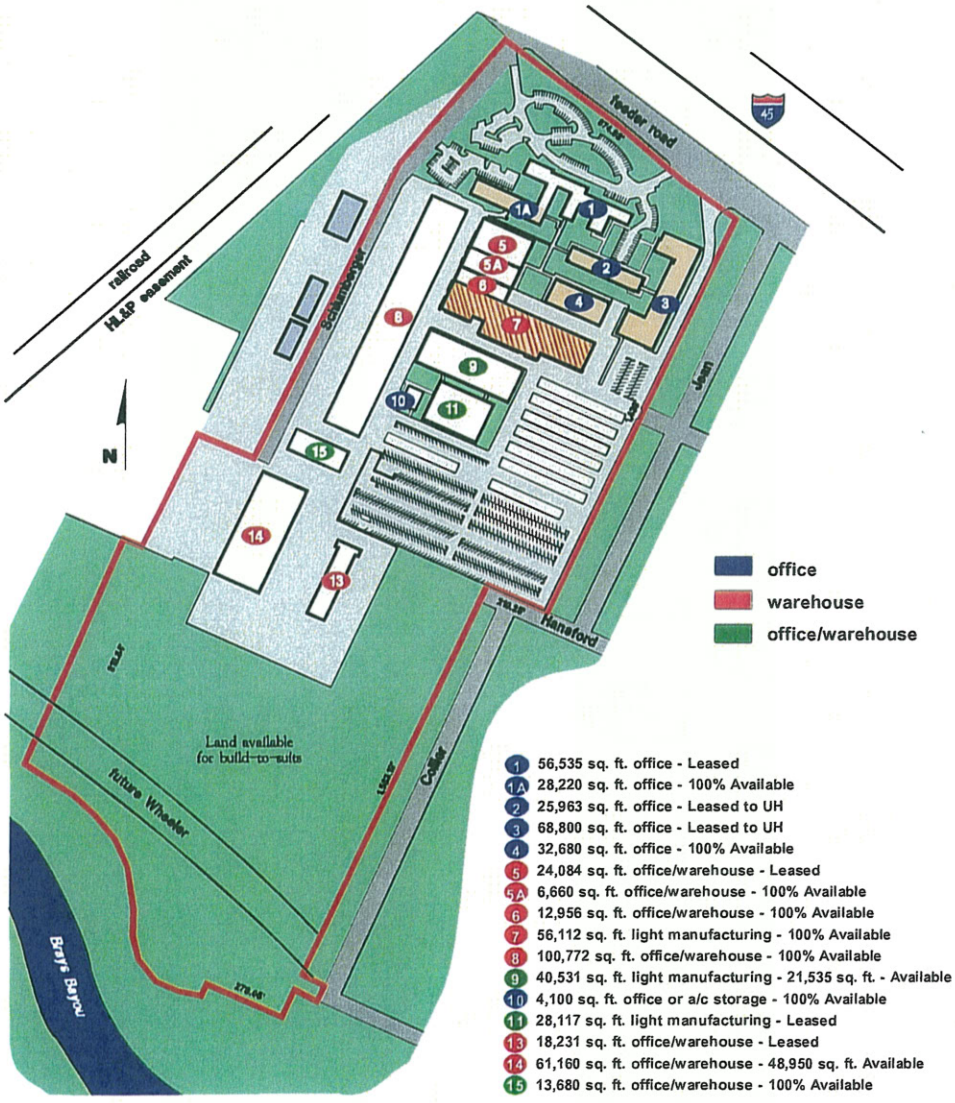
Project/Scope of Work: University Business Park (UBP) is 68 acres and 580,552 sf of office, office/warehouse and light manufacturing space in 14 buildings. Together with 4902 Gulf Freeway it forms the UH Energy Research Park. The facilities are 77% leased with 51% to third party tenants and 26% to UH. Collectively the overall UBP Campus complex will be managed and leased as a stand-alone business entity.

This project will renovate UBP for these uses by addressing renovation, deferred maintenance and repair of the site and a number of the facilities to accommodate UH needs and improve marketability to outside tenants. It will also undertake extensive upgrades and enhancements to meet University and outside tenant requirements.

The initial phase of renovations will address exterior work, code corrections, HVAC and MEP repairs, general overall deferred maintenance and renovation to selected buildings planned for immediate use as well as the upgrades required to attract tenants and provide the structures for tenant financed enhancements. Included are paving and street and site repairs including wayfinding and branding signage. This project also includes updates to the site infrastructure including upgrading the IT and communications system with new feeders to each building and expanded IT infrastructure to support research, teaching and business needs.

The project also includes the next phases of renovation and upgrade to fully develop the Energy Research Park. These phases include renovations, buildings out vacant space, specific IT and communication improvements, HVAC and infrastructure expansion and other building and site improvements tied to specific tenants. These next phases will be designed to meet the specific needs of those tenants and will be funded by those tenants. Project schedules, specifics and budgets will be developed based on their requirements.

These repairs and corrections are needed to modernize and improve the property and to reposition it in the Real Estate marketplace. They are also needed in order for the initial expanded building uses to occur and to accommodate new tenants.



Laboratories.

University of Houston

Energy Research Park

Supporting Information - Occupancy Plan

Building 1.

Status: Currently leased to private tenant until 2015.

Plan: Continue to lease to the current tenant until expiration in 2015. Occupy the 1st floor east wing with offices for UH Property Management and UH Auxiliary Services.

Building 1A.

Status: Currently vacant, interior demolished.

Plan: Lease to a new tenant with a complementary purpose. Current prospect is a workforce provider, The Power Technology Institute.

Building 2.

Status: Currently leased to UH for administrative support functions.

Plan: Continue to lease to UH for back office functions.

Building 3.

Status: Currently leased to UH for administrative support functions.

Plan: Continue to lease to UH for back office functions. Except, lease east end crane bay. Current prospect is a workforce provider, The Power Technology Institute.

Building 4.

Status: Currently vacant, interior demolished.

Plan: Convert to UH energy research center offices and conference center (see proposal).

Building 5.

Status: Currently leased to private tenant until 2015.

Plan: Continue to lease to the current tenant until expiration in 2015.

Building 5 A.

Status: Currently vacant, interior demolished.

Plan: Lease to a new tenant with a complementary purpose. Current prospect is partner with our superconductivity faculty, Super Power.

Building 6.

Status: Currently leased to private tenant until 2015.

Plan: Continue to lease to the current tenant until expiration in 2013.

Building 7.

Status: Currently vacant.

Plan: Convert to UH energy research center laboratories (see proposal).

Building 8.

Status: Currently leased to private tenant.

Plan: Continue to lease to the current tenant for the near future.

Building 9A.

Status: Currently leased to UH as warehouse space.

Plan: Consolidate current storage to Gulf Freeway warehouse (Building 20) and convert to classrooms and labs for UH Petroleum Engineering Major, Fall 2010, (see proposal).

Building 9B.

Status: Currently leased to UH as warehouse space.

Plan: Consolidate current storage to Gulf Freeway warehouse (Building 20) and convert to Engineering research laboratories.

Building 10.

Status: Currently leased to private tenant.

Plan: Continue to lease to the current tenant until expiration in 2011.

Building 11.

Status: Currently leased to private tenant.

Plan: Continue to lease to the current tenant until expiration in 2013.

Building 13.

Status: Currently leased to private tenant.

Plan: Continue to lease to the current tenant for the near future.

Building 14.

Status: Currently leased to private tenant.

Plan: Explore conversion of some of the facility to UH research.

Building 14A.

Status: Currently leased to UH Diesel Research Center

Plan: Continue to use for UH diesel research center.

Building 15.

Status: Currently leased to private tenant.

Plan: Continue to lease to the current tenant for the near future.

Building 16.

Status: Currently owned by Schlumberger. Possible donation.

Building 17.

Status: Currently owned by Schlumberger. Possible donation.

Building 18.

Status: Currently owned by Schlumberger. Possible donation.

Building 20. Gulf Freeway Warehouse.

Status: Currently vacant.

Plan: Consolidate warehouse space into this building.

Vacant Land.

UBP southwest end. Eighteen acre site for energy demonstration projects.

4902 northeast end. Several acres.

Schlumberger northeast end. Several acres.

UNIVERSITY *of* HOUSTON

Building 4 Proposal

FCMP – 3.2.4

Proposal to Establish the Houston Energy Research Center Facility.

UBP Building 4

The University of Houston is completing the acquisition of a cluster of buildings that eventually will house grant funded energy research projects. We are seeking funding to immediately convert these to house our growing portfolio of energy research projects. Not only will the renovation of the infrastructure create jobs, but the research will create high wage technical jobs.

Description of the Facilities: The Schlumberger buildings were built in 1953. Building #4 is a two story facility of 32,860 total square footage. It was last used as office and meeting space. The dining hall on the second floor could be restored for food service and meeting space.

Intended Use: The renovated building will be the home to many of the UH energy research related centers and institutes, including:

Lone Star Wind Alliance

Texas Center for Superconductivity, Applied Research Hub

Texas Bio Products Industry Council

Solid State Energy and Lighting Institute

Center for Advanced Materials, Alternative Energy Institute

Center for Reliability of Ceramics

Center for Nanomagnetic Systems

Institute of Space Systems Operations

Diesel Vehicle Research and Testing Facility

Institute for Multidimensional Air Quality Studies

Electricity Conservation- Demand Response

Sustainable Design of Building Components

Center for Environment, Energy and Natural Resources Law

Center for Public Policy

Allied Geophysics Lab

Center for Applied Geosciences and Energy

Composite Engineering and Application

Center for E&P

Institute of Improved Oil Recovery

Intelligent Oil Fields

Mission Oriented Seismic Research Program

Reservoir Quantification Lab

Rock Physics Lab

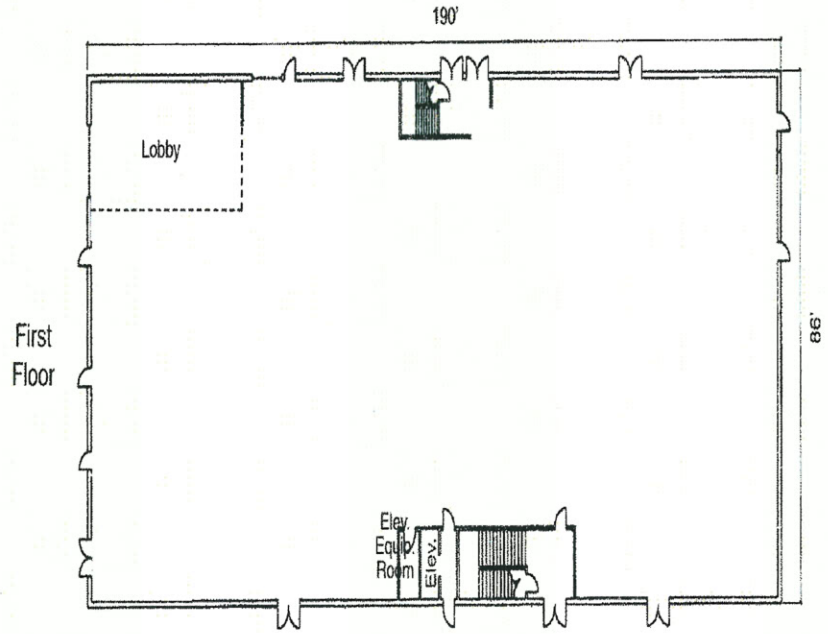
Subsurface Sensing Lab

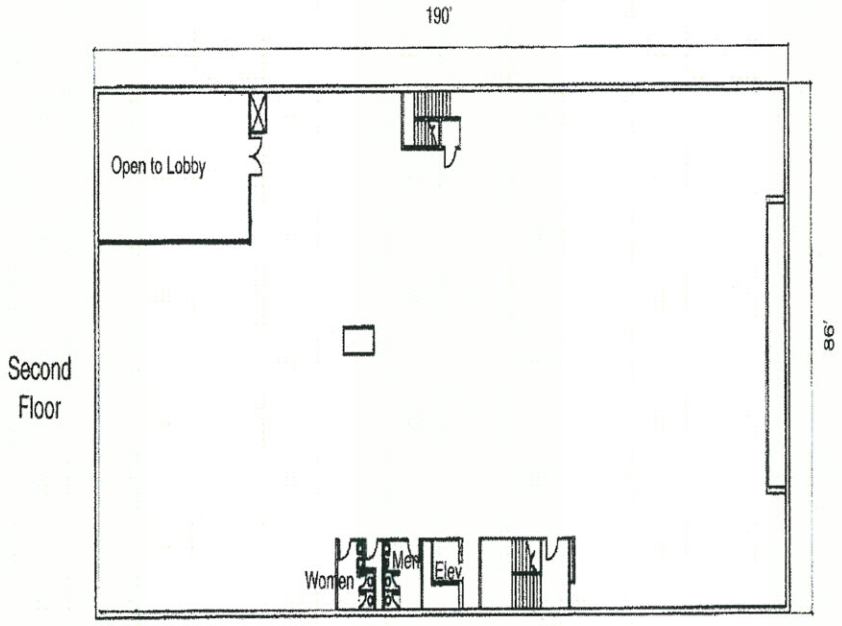
Well Logging Lab

Cost of Project: Based on estimates provided by a commercial real estate firm the structure can be renovated for approximately $60 per sq.ft. The total project is estimated to cost $1.9m.

Building #4

June 18, 2009





UNIVERSITY Business Park

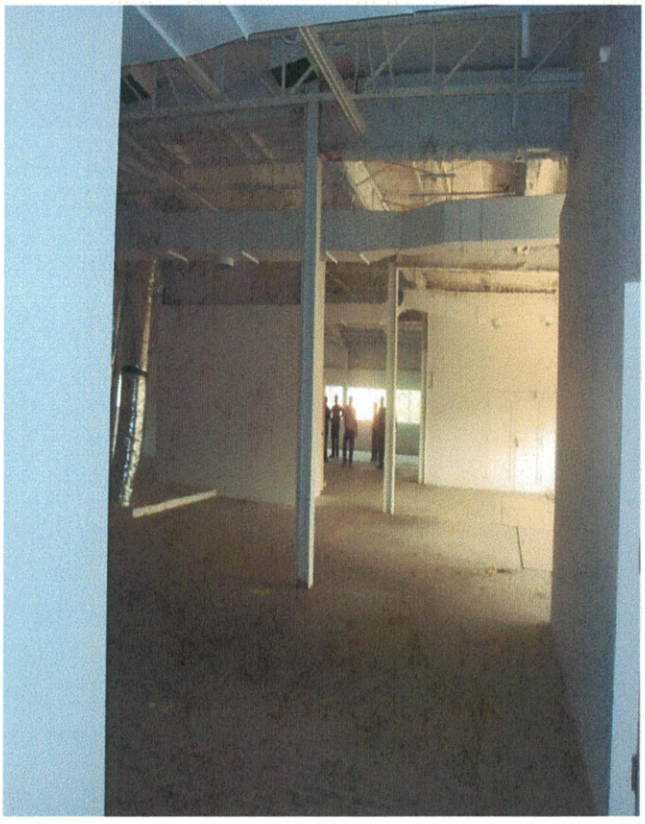
Building 4

32,680 SF Office Building

- 2 Story, 9'-12' ceiling heights

Bldg #4 – First Floor

Bldg #4 – Second Floor



Bldg #4 – Dining Hall

University of Houston, Energy Research Park

Proposed Food Service Options, Bldg 4

The food service for the Energy Research Park will be phased in through two or three phases. The first phase will be a grab-and-go concept with sandwiches, salads, coffee, fresh fruit and snacks. This first phase will likely be implemented in spring 2010. As more tenants and students are at the Energy Research Park on a daily basis, these volumes will support the addition of a grill, salad bar and other flexible concepts, which will be added as phases two and three. These concepts will be driven by market studies and surveys of the population and their needs.

Additionally, vending will be phased in to buildings as tenants are moved in to provide additional food options to the campus.

Below is a sample photo of the proposed Phase 1 Food Service.

Proposal to Establish the UH Structural Engineering Laboratory at the UH Energy Research Park (Building 7)

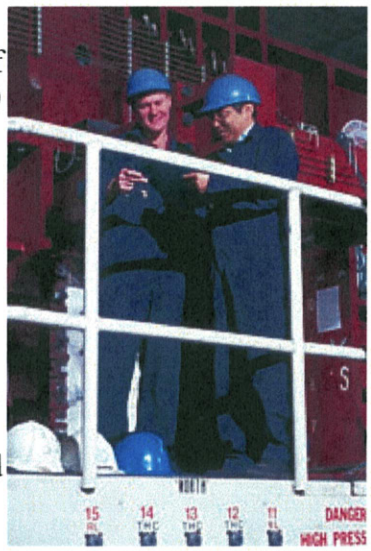
Proposed new UH Structural Engineering Laboratory at the UH Energy Research Park.

The proposed facility will allow the testing of both structural members and wind blades. This will contribute to the many research projects currently underway in the Cullen College of Engineering as well as the plans for expanded testing of large scale wind blades.

BEAMS

Structural engineering research at the University of Houston focuses on large scale testing of concrete and steel members with companion analytical studies. As defined by the International Association for Bridge and Structural Engineering, structural engineering is the science and art of planning, design, construction, operation, monitoring and inspection, maintenance, rehabilitation and preservation, demolishing and dismantling of structures, taking into consideration technical, economic, environmental, aesthetic and social aspects.

The Structural Research Laboratory is currently located in the South Park Annex of the University of Houston. The facility includes 30 ft. by 60 ft. and 20 ft. by 60 ft. strong floors and houses over two million dollars worth of test equipment, including a biaxial fatigue testing machine, a 2.5 million pound MTS test system, and a universal panel tester. The universal panel tester can be used to perform biaxial and triaxial tests and is the only one of its kind in the United States and the most versatile of the three panel testers in the world. The laboratory also offers a fully equipped welding shop and concrete casting room, as well as student and faculty office space and a conference room.



Since its inception in 1983, the laboratory has conducted over two million dollars worth of research for the National Research Foundation, multiple projects for the Texas Department of Transportation, and has produced major research results that have attracted national and international attention.


P&H

BLADES

OFFSHORE WIND ENERGY SYSTEMS are complex large engineered systems which operate over water to produce usable power. These systems hold the promise for gigawatt-scale electric power production near major centers of population and economic activity, as well as the production of hydrogen from the electrolysis of sea water.

Offshore wind energy systems have the following advantages over land systems: availability of large continuous areas suitable for major installations; higher wind speeds to extract more energy; and less turbulence, which increases efficiency and reduces fatigue load on turbines. Offshore wind systems can be placed off sight to reduce public concern. The National Renewable Energy Laboratory estimates that winds offshore of the United States within 50 nautical miles of the coast have potential to generate approximately 1,000 GW power. This is significantly larger than the current, average electricity consumption of the entire United States.

Vision and Goals

The University of Houston will create a rigorous system framework for the design, manufacturing, operation, and maintenance of large-scale wind energy systems, while taking into account other competing uses for the ocean. The COWE has the vision:

- Developing a world-leading offshore wind energy research center critical to the emergence of a major new industry.
- Creating innovative offshore wind systems for the production of GW-scale electricity and fuel.
- Establishing rigorous scientific basis for design, manufacturing, reliability, installation and operation of offshore wind systems.

Strategic Approach

Innovative Research

The University of Houston will conduct a research program for discovery and innovation, and education for creativity and leadership, by pursuing the following thrust areas:

1. Wind Energy Conversion Systems (WECS) - *Development of ultra-reliable multi-megawatt WECS for offshore operation.*

2. Wind Farm Array – *Design, monitoring and control of offshore WECS arrays for cost-effective energy production.*

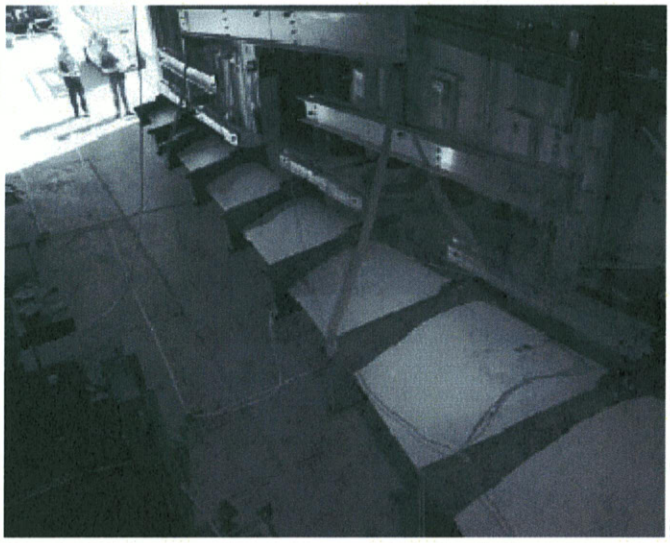
3. Generation, Transmission & Distribution of Electricity and Hydrogen.

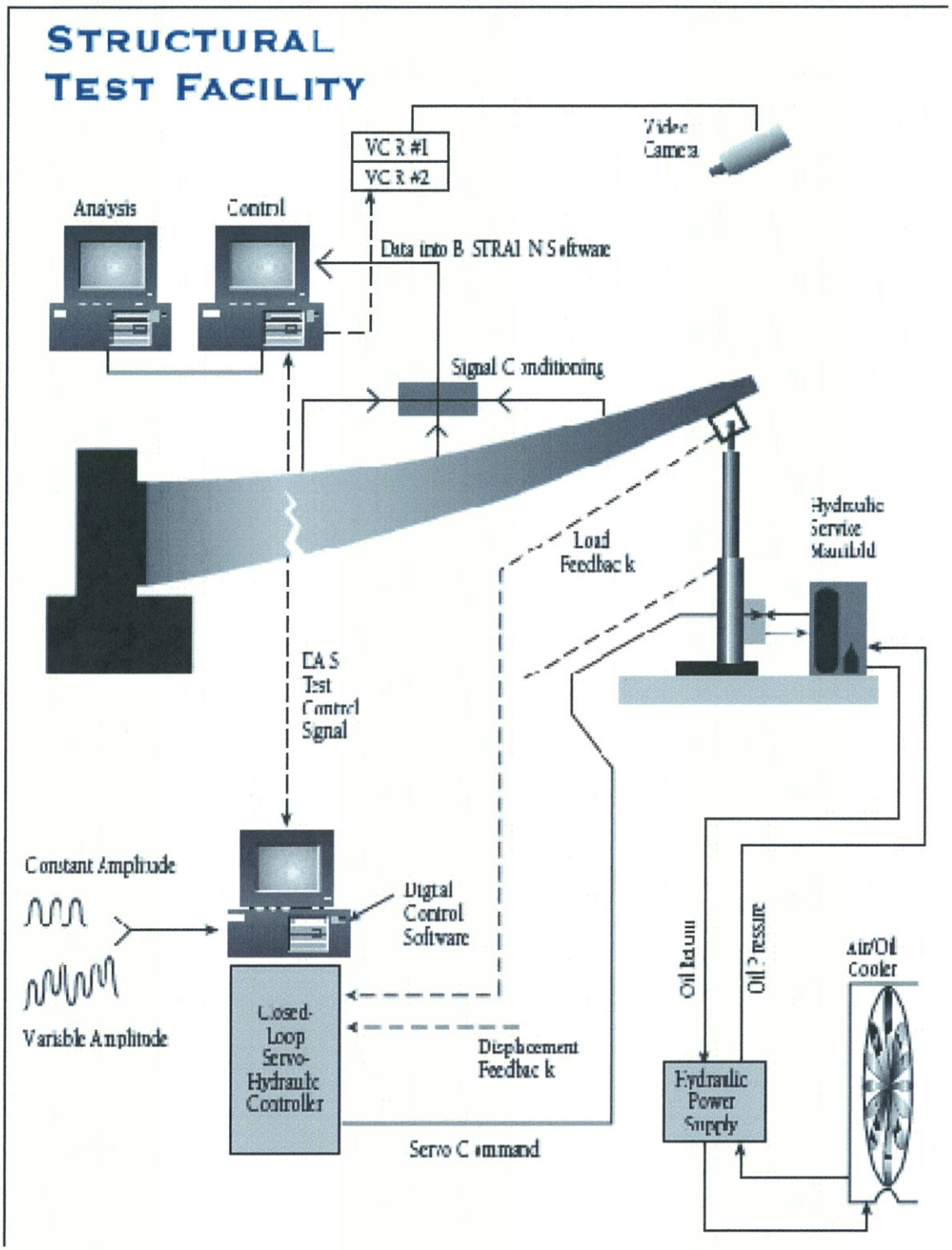
4. Operations, Maintenance and Repair.

Education

Research and education will be integrated to develop graduates who are adaptive and creative innovators in a global economy. The University of Houston will develop educational opportunities linking the research with corporations, small nascent firms, and regulatory organizations. The Center's partner

universities will also offer short courses and develop Master's programs in wind energy systems. Wind energy concepts will be further developed and integrated into its pre-college and community college educational programs.





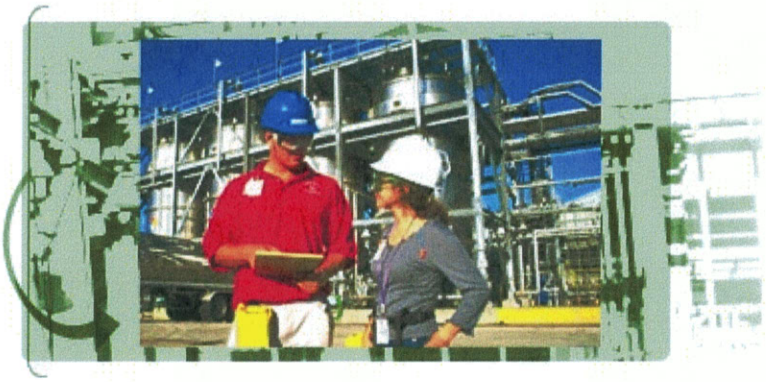
Source: NREL, National Wind Technology Center, NREL/SP-440-20494, June 1996.

Proposal to Establish the UH Petroleum Engineering Classrooms and Laboratories

at the UH Energy Research Park (Building 9)

Building 9A

Petroleum Engineering Undergraduate Program description



Bachelor of Science in Petroleum Engineering
- New program approved by Texas Higher Education Coordinating Board - January, 2009
- First class admitted to program Fall 2009
- First graduates as early as Spring 2012

Program developed in cooperation with the petroleum industry and in response to the critical engineering manpower needs of this industry, both current and future

- Only 17 BS programs in Petroleum Engineering exist in the US – compared to 100s in other disciplines (ME, EE, CE, ChE, IE, etc.)
- Over the next 10 years, large numbers of current practicing petroleum engineers will be retiring and will leave a void which must be filled by increased numbers of new BS petroleum engineers. It is unlikely that this void will be fully filled and petroleum engineers will be of premium value in the marketplace for years to come.

Petroleum engineering offers the full spectrum of career opportunities – whether working for large multinational corporations or smaller independent oil companies, or even opportunities for the development of new companies and enterprises. The industry continues to re-invent itself and in recent years there have been major new developments in the horizontal drilling, hydraulic fracturing, production and stimulation, and the production of deep, tight gas formations, to mention a few. Such developments have invigorated the US and global petroleum production

industry and will have an important impact in meeting global energy challenges in the future. Historically, compensation in the petroleum industry has been quite high and in recent years, due to the ever increasing importance of oil and gas and energy in general, it has led all engineering fields.

The BS Petroleum Engineering degree plan is attached. We will begin admitting students immediately for the Fall 2009 class.

- Initial petroleum course offerings (PETR 1111 - Introduction to Hydrocarbon Resources and PETR 2311 - Reservoir Petrophysics) will be available in Spring of 2010.
- Concurrently, first and second year students in the program will be able to complete required courses in English, History, Political Science, Chemistry, Math, Geology, Chemical Engineering, Industrial Engineering, and Mechanical Engineering as indicated on the degree plan.

The overall curriculum involves 130 semester credit hours with four components :

- A core component including 30 credit hours of humanities, 20 credit hrs of basic sciences, and 15 credit hours of basic engineering
- Basic Petroleum Engineering courses (26 credit hrs) required of all students in program
- At least two elective modules of 9 credit hrs each in select specialization areas: Drilling and Well Construction, Reservoir Engineering, Production Engineering, Unconventional Resources, and Petroleum Geology
- And finally, 3 credit hrs from select electives (Energy law, Emerging technologies, environmental engineering, plus others), and 9 credit hours in business related, project management, engineering effectiveness, etc.

Degree Requirements

Petroleum Engineering majors must earn a grade of C- or better in all engineering, mathematics, and science courses, including courses considered for transfer credit.

After attempting at least six hours within the major, if the cumulative major GPA is below 2.25, the student is placed on probation.

Once on probation, in the next semester(s), the semester GPA is evaluated. If the semester major GPA is greater than or equal to 2.25, but the cumulative GPA is below 2.25, the student continues on probation. If the semester major GPA is below 2.25 the student is suspended. Hours in the major include all PETR courses plus MATH 3321, MECE 2334, CIVE 3334, CHEE 1331.

Graduate Program

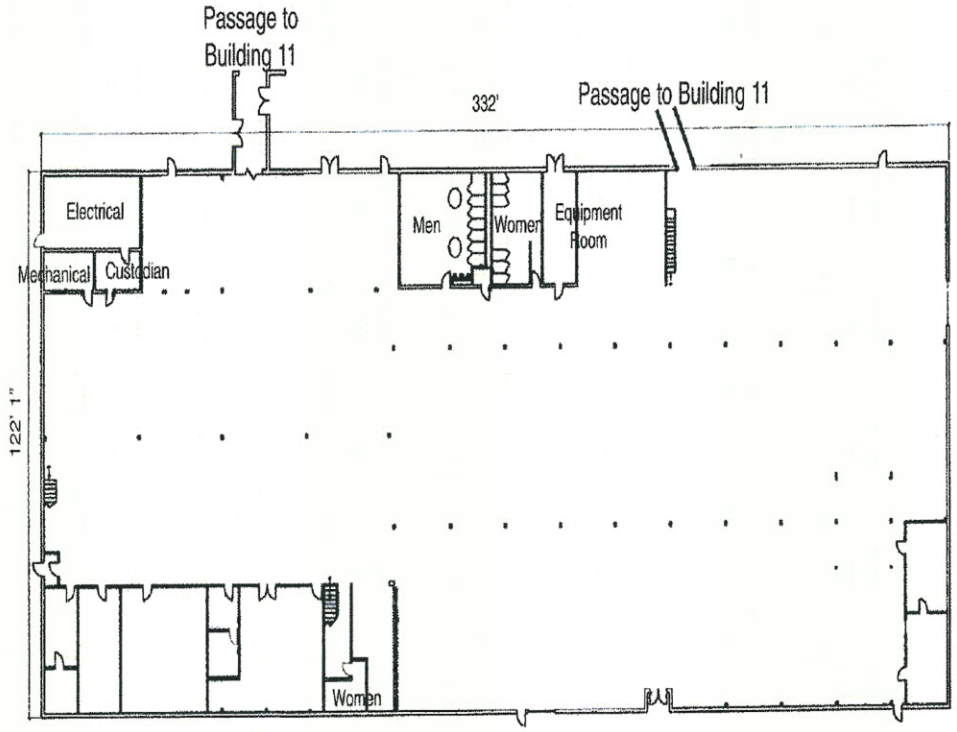
The University of Houston Graduate Petroleum Engineering program offers courses at times that accommodate the schedules of working professionals. The program can be completed in 1 1/2 to 5 years depending on how many courses are taken per year. The faculty for petroleum engineering consists mainly of working engineers who lecture for the program as adjunct

professors. Permanent faculty members from the Chemical Engineering Department teach a few of the courses. The high level of experience offered by industry instructors ensures that the courses remain up-to-date and practical.

The Master's Level Degree Programs in Petroleum Engineering are ideal for any engineering graduate who desires to begin working or to improve his position in the upstream oil and gas industry. Undergraduate degrees in Petroleum, Chemical or Mechanical Engineering are all accepted for this program.

9A

UNIVERSITY
Business Park



Building 9
40,531 SF Light Manufacturing

- Grade level
- 16'-25' ceiling height
- All air-conditioned

ENERGY DEMONSTRATION PROJECT SUMMARY

One challenge facing renewable power providers is getting clean energy to market, moving electricity from the windiest sites to the load centers. Without a solution to the grid problem effective use of wind power on a wide scale is likely to remain a dream.

This demonstration project will address the challenge of transmission of wind power from remote source to urban centers. The DOE report on 20% wind energy by 2030 calls for a "new transmission superhighway system" spanning about 12,000 miles at a NPV cost of $ 20 billion to transmit a mixture of power from production areas to load centers. Conventional means of power transmission is fraught with problems such as permitting issues with very high voltage overhead lines including right of way that spans several hundred feet, power loss levels of about 10%, aesthetic impact, security issues and cost allocation.

Underground transmission lines made with superconducting wires overcome all these problems. Superconducting wires themselves can carry about 200 times more power than copper wires leading to 10 times more power transmission in a cable form. Right-of-way associated with superconducting power lines is only 25 feet wide and power loss associated with these lines is less than 3%. Underground superconducting power transmission lines have already been successfully demonstrated in the U.S. electric power grid in three projects in the grids of National Grid, NY, LIPA, NY and American Electric Power, OH.

This project will focus on R&D necessary to implement D.C. superconducting power lines in an effective manner to transmit wind power. Superconducting wires will be perfected and tested to be suitable for constructed of D.C. superconducting power lines. We will work with our industry partner, SuperPower, the world-leader in superconducting wire manufacturing to implement this project.

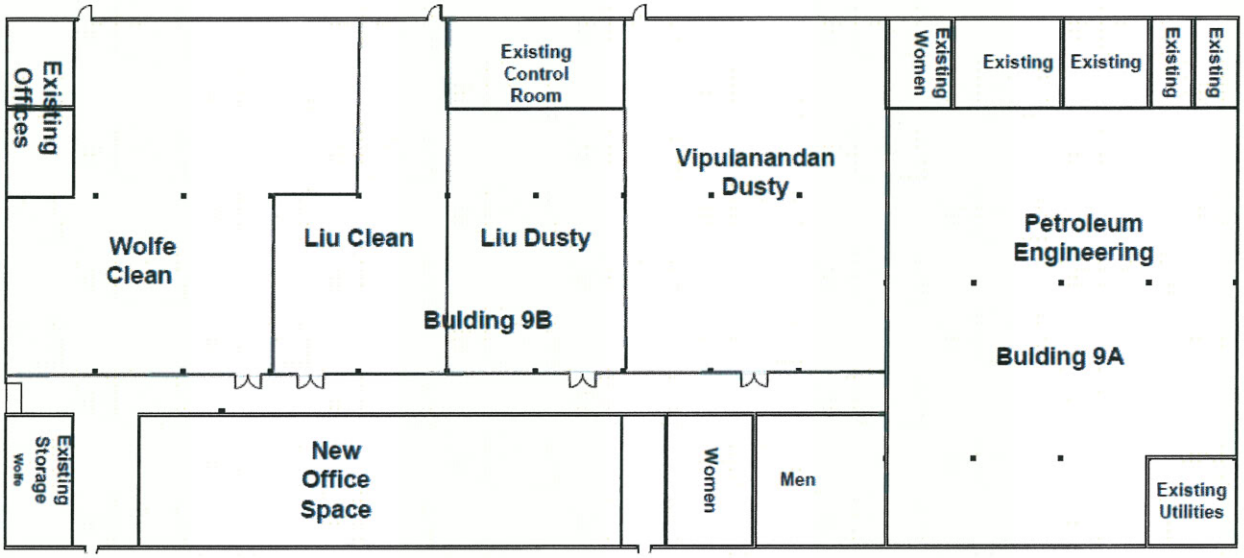
UH PROPOSAL

To demonstrate how we can link clean energy to a load center we propose installing wind turbines on the UBP campus and use a length of HTS cable to link the CenterPoint substation to an existing load to a junction box on campus.

UH will be conducting blade tests at the UBP campus and a new facility planned for Corpus Christi.

By connecting a real load to the UH grid using HTS it would be a 'critical' connection and hence would demonstrate significant value to the outside world.

Scale: 0.01"=1 ft (20 ft horizontal between columns
40 ft vertical between columns)



UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval of the renovation to 4902 Gulf Freeway to create a consolidated warehousing facility.

DATE PREVIOUSLY SUBMITTED: N/A

SUMMARY: Approval is requested for the renovation to 4902 Gulf Freeway to create a consolidated warehouse facility with limited office space at the UH Energy Research Park.

This facility is comprised of 102,325 GSF office/warehouse and was purchased by UH on December 23, 2008. The facility was acquired in a pre-renovation condition at a negotiated price such that UH could correct all deferred maintenance and renovate the facility to meet current codes and standards. This project will address deficiencies in the 5 acre, 82,623 GSF warehouse/19,702 GSF office property.

FISCAL NOTE:

SUPPORTING DOCUMENTATION: Renovation to 4902 Gulf Freeway, part of the Energy Research Park Program

ACTION REQUESTED: Approval

COMPONENT: University of Houston

Renu Khator — 8-4-09
PRESIDENT Renu Khator **DATE**

7/30/09
EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE**

Renu Khator — 8-4-09
CHANCELLOR Renu Khator **DATE**

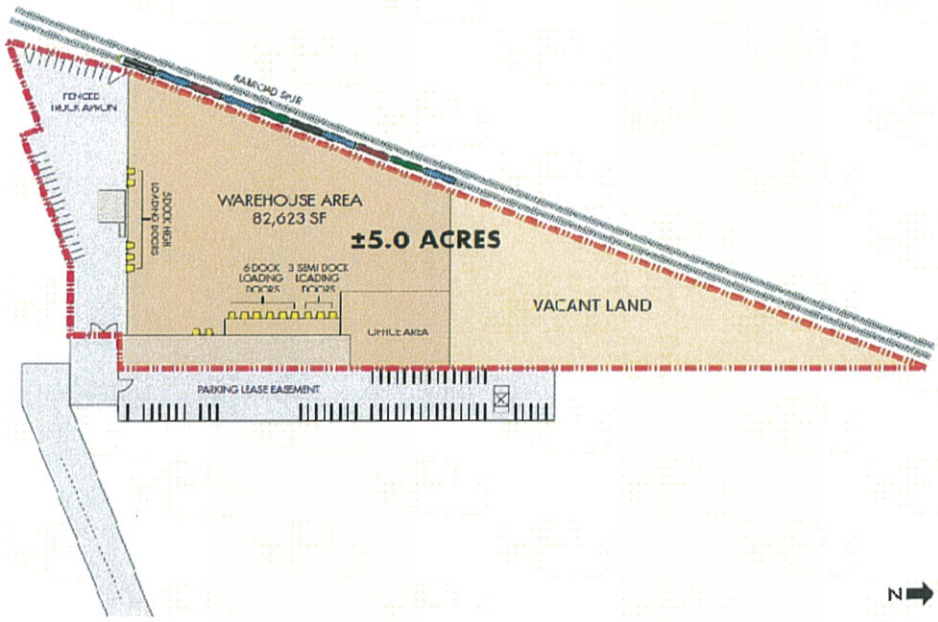
University of Houston
Renovation to 4902 Gulf Freeway, part of the Energy Research Park
Supporting Information – Project Scope

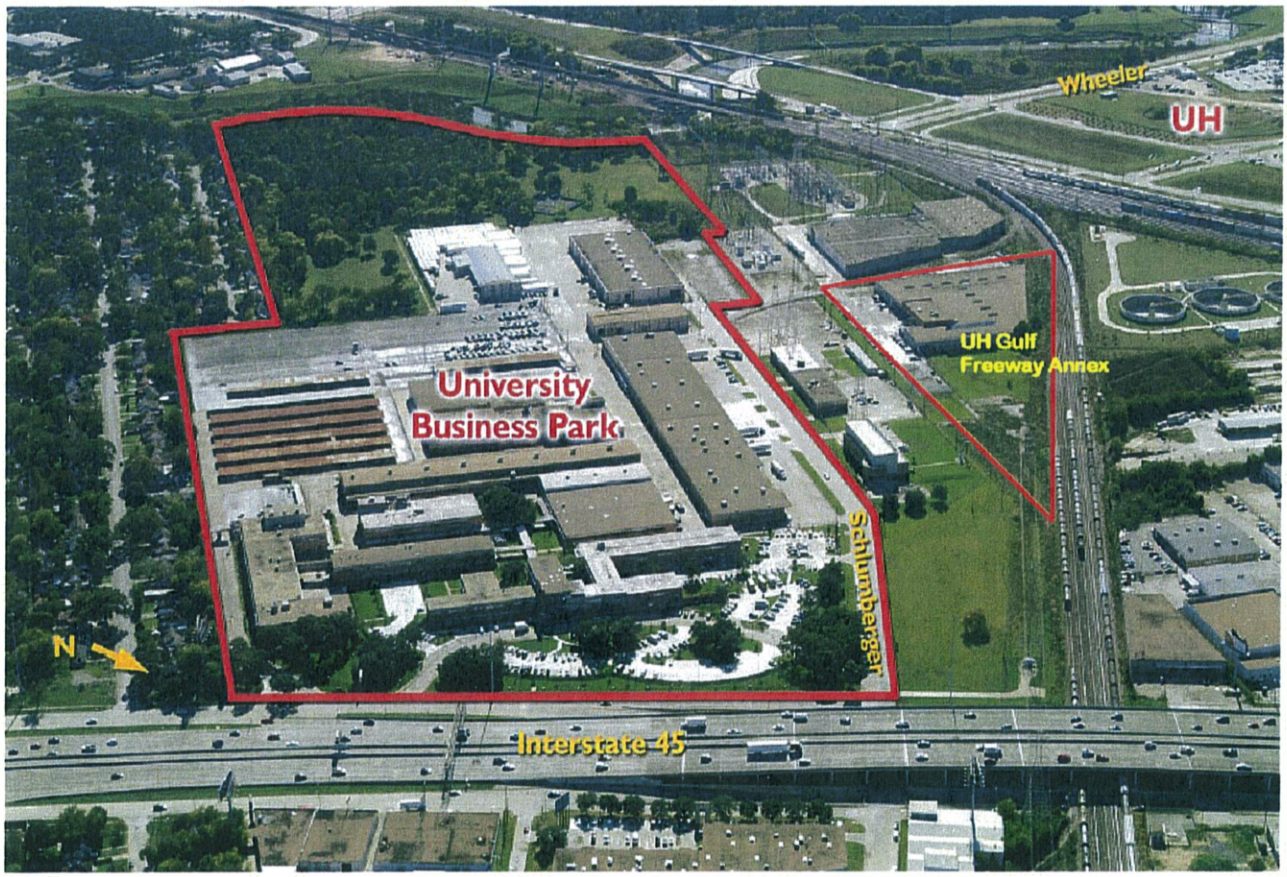
I. PROJECT DESCRIPTION

A. **Property:** Acquired in late 2008, 4902 Gulf Freeway Annex is 5 acres including a 102,325 GSF warehouse office facility constructed in 1956 and expanded in 1984. The tilt wall construction warehouse facility includes 82,623 GSF of truck served high bay unconditioned warehouse space and 19,702 GSF of conditioned, two story office space. The 5.0032 acre site has an asphalt access drive and 90 surface parking spaces.

B. **Objective:** Unfortunately the building has not been renovated recently and has significant deferred maintenance that must be accomplished prior to the building being used by University departments. This renovation project will repair and improve the property to comply with all applicable building codes, meet all applicable regulatory requirements and be comparable in quality to the overall UH campus and facilities. Included with be upgrading the HVAC and Electrical systems, repairing/upgrading MEP, adding new security systems, renovating office areas, repairing site issues and preparing the property for University use. The property will be used by UH departments to accommodate large item bulk storage and office administrative operations.

University of Houston
4902 Gulf Freeway
Supporting Information





FCMP – 4.1.2

Warehouse

AREA	Square Footage	Quantity	Occupant Load per Room	Total Occupant Load	Comments
Warehouse Storage 1	9,124	1			
Warehouse Storage 2	4,916	1			
Warehouse Storage 3	1,682	1			
Warehouse Storage 4	2,057	1			
Warehouse Storage 5	1,511	1			
Warehouse Storage 6	3,241	1			
Warehouse Storage 7	6,095	1			
Warehouse Storage 8	5,419	1			
Warehouse Storage 9	1,868	1			
Warehouse Storage 10	8,902	1			
Warehouse Storage 11	5,238	1			
Warehouse Storage 12	1,910	1			
Warehouse Storage 13	1,159	1			
Warehouse Storage 14	5,231	1			
Warehouse Storage Totals	58,353				

Warehouse Office	573	1	3	3	
Warehouse Restrooms	511	1	0	0	
Warehouse Office Storage	297	1	0	0	
Warehouse Storage Mezzanine	511	1	0	0	
Warehouse Elec / IT Room	195	1	0	0	
Warehouse Loading Zone	3,654	0	0	0	
Warehouse Circulation	19,318	0	0	0	
Warehouse Totals	83,412		500 SF/Person	167	

Offices

AREA	Square Footage	Quantity	Occupant Load per Room	Total Occupant Load	Comments
Office Suite 1A	1,513				
Office Suite 1B	3,931				
Office Suite 1C	4,007				
Office Suite 2A	7,422				
	395				First Floor Entry
Office Storage	1,050				
Security Access Point	370				
Office Totals	18,688				

First Floor Office -Suite 1A

AREA	Square Footage	Quantity	Occupant Load per Room	Total Occupant Load	Comments
Office -Small	100 sf to 185 sf	4	1	4	
Cubical		6	1	6	
Suite 1A Totals				10	

First Floor Office -Suite 1B

AREA	Square Footage	Quantity	Occupant Load per Room	Total Occupant Load	Comments
Office -Small	90 sf to 160 sf	5	1	5	
Office -Medium	215 sf to 240 sf	1	2	2	
Cubical	8x8	14	1	14	
Conference Rooms	140	1			
Storage		2			1 of 2 assumed to be storage
Admin		0		0	
Suite 1B Totals				21	

First Floor Office -Suite 1C

AREA	Square Footage	Quantity	Occupant Load per Room	Total Occupant Load	Comments
Office -Small	90 sf to 160 sf	3	1	3	
Office -Medium	215 sf to 240 sf	4	2	8	
Office -Large	330 sf	1	3	3	
Cubical	8x8	6	1	6	
Conference Rooms	288	1			
Collaborative Areas	53	1			
Storage		1			
Admin	175,145	2	2	4	
Suite 1C Totals				24	

Office Support Spaces - Level 1

AREA	Square Footage	Quantity	Occupant Load per Room	Total Occupant Load	Comments
Break room	250	1	0	0	Also breakroom for seco
Restroom		2	0	0	
Storage		3	0	0	

Second Floor Office -Suite 2A

AREA	Square Footage	Quantity	Occupant Load per Room	Total Occupant Load	Comments
Office -Small	0	0	1	0	
Office -Medium	0	0	2	0	
Cubical	8x8	24	1	24	
Conference Rooms	400, 320	3		0	
Collaborative Areas	0	0		0	
Storage -Large	265 sf	1		0	
Admin	40, 45	1	1	1	
Reception Area	0	0		0	
Break room	0	0		0	
Restroom		2		0	
Suite 2A Totals				25	

	# Standard Spaces	# Standard Accessible Spaces	# Van Accessible Spaces	Total	
Site - Parking					
East Lot	74	2	1	77	
South Lot	24	0	1	25	
North Lot (Field)	135	4	1	140	
Parking Totals	233	6	3	242	

Warehouse

AREA	Square Footage*	Quantity	Tot. Sq Ftg.	Comments
Storage 1	**9,124**	**1**		
Module 1A	1,309	1	1309	West end cap
Module 1B	814	8	6512	20' x 40' Standard storage Module
Module 1C	1,279	1	1279	East end cap
Storage 2	**4,916**	**1**		
Module 2A	400	11	4400	20' x 20' Standard Storage module
Module 2B	400	1	400	North end cap
Storage 3	**1,682**			
Module 3a	584	1	585	West end cap
Module 3B	541	2	1081	20' x 27' Standard storage Module
Storage 4	**2,057**	**1**		
Module 4A	186	1	186	West end cap
Module 4B	541	3	1622	20' x 27' Standard storage Module
Module 4C	202	1	202	East end cap
Storage 5	**1,511**			
Module 5A	202	1	202	West end cap
Module 5B	541	2	1082	20' x 27' Standard storage Module
Module 5C	190	1	190	East end cap
Storage 6	**3,241**			
Module 6A	299	1	299	West end cap
Module 6B	569	1	569	West end cap
Module 6C	800	3	2400	20' x 40' Standard storage Module
Storage 7	**6,095**			
Module 7A	673	1	673	West end cap
Module 7B	800	6	4800	20' x 40' Standard storage Module
Module 7C	556	1	556	East end cap
Storage 8	**5,419**			
Module 8A	800	6	4,800	20' x 40' Standard storage Module
Module 8B	556	1	556	East end cap
Storage 9	**1,837**			
Module 9A	546	1	546	West end cap
Module 9B	1,291	1	1291	East end cap
Storage 10	**8,902**			
Module 10A	1,879	1	1,879	West end cap
Module 10B	553	4	2,210	20' x 27' Standard storage Module

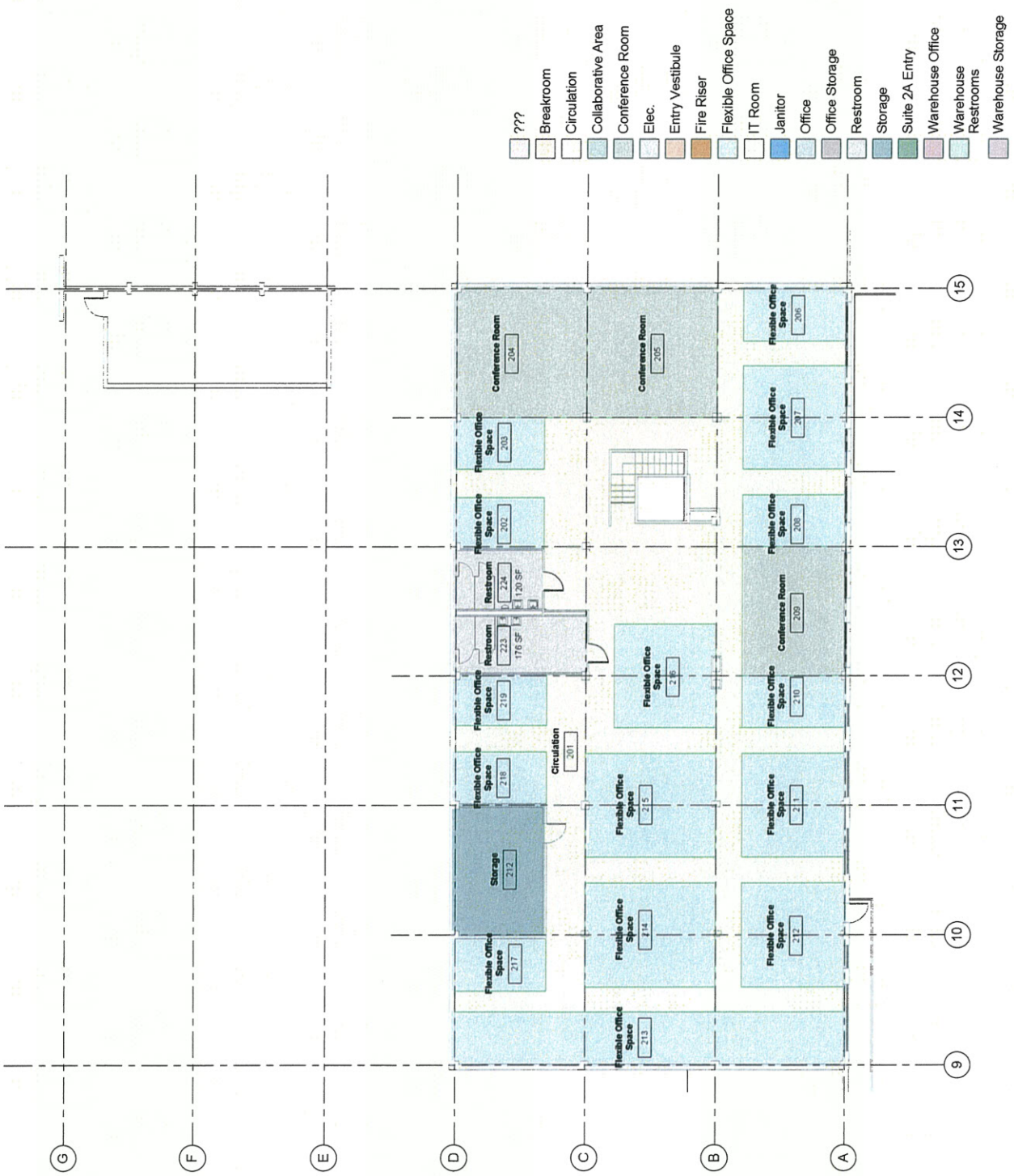
*Module storage areas do not account for structure and misc. protruding objects

AREA	Square Footage*	Quantity	Tot. Sq Ftg.	Comments
Module 10C	796	5	3,981	20' x 40' Standard storage Module
Module 10D	803	1	803	East end cap
Storage 11	**5,238**			
Module 11A	552	3	1,657	20' x 27' Standard storage Module
Module 11B	800	3	2,400	20' x 40' Standard storage Module
Module 11C	765	1	765	North end cap
Module 11D	375	1	375	East end cap
Storage 12	**1,910**			
Module 12A	215	1	215	West end cap
Module 12B	545	3	1,635	20' x 27' Standard storage Module
Storage 13	**1,159**			
Module 13A	580	2	1159	20' x 27' Standard storage Module
Storage 14	**5,231**			
Module 14A	835	1	835	West end cap
Module 14B	815	5	4,074	20' x 27' Standard storage Module
Module 14C	252	1	252	South end cap

*Module storage areas do not account for structure and misc. protruding objects

FCMP 4.2.5


Warehouse Restrooms
155
Warehouse Restrooms
156
Elec.
144
62 SF
IT Room
144B
90 SF
Warehouse Storage
148
Office
145
140 SF
Office
143
185 SF
Office
132
239 SF
Restroom
118
144 SF
Restroom
117
144 SF
Breakroom
116
250 SF
Storage
109B
Office
109
129 SF
Office
108
331 SF
Circulation
142
157 SF
Flexible Office Space
142A
35 SF
Circulation
120
1269 SF
Storage
120B
Conference Room
122
140 SF
Flexible Office Space
111
175 SF
Office
107
231 SF
Suite 2A Entry
150B
198 SF
Office
141
105 SF
Office
140
Flexible Office Space
138
Office
131
150 SF
Circulation
139B
Circulation
137
131 SF
Conference Room
113
288 SF
Office
106
215 SF
Warehouse Office
154
566 SF
Entry Vestibule
150
314 SF
Flexible Office Space
139
227 SF
Office
130
151 SF
Flexible Office Space
114
145 SF
Circulation
112
647 SF
Office
105
215 SF
Office
129
159 SF
Flexible Office Space
123
984 SF
Office
102
141 SF
Office
103
142 SF
Office
104
229 SF
Office Storage
133
1015 SF
Office
128
147 SF
Circulation
101
Collaborative Area
101B
53 SF
Storage
120C
Fire Riser
120D
Flexible Office Space
101A
349 SF
Office
127
90 SF
???
Breakroom
Circulation
Collaborative Area
Conference Room
Elec.
Entry Vestibule
Fire Riser
Flexible Office Space
IT Room
Janitor
Office
Office Storage
Restroom
Storage
Suite 2A Entry
Warehouse Office
Warehouse Restrooms
Warehouse Storage


???
Breakroom
Circulation
Collaborative Area
Conference Room
Elec.
Entry Vestibule
Fire Riser
Flexible Office Space
IT Room
Janitor
Office
Office Storage
Restroom
Storage
Suite 2A Entry
Warehouse Office
Warehouse Restrooms
Warehouse Storage
Conference Room 204
Conference Room 205
Flexible Office Space 206
Flexible Office Space 207
Flexible Office Space 208
Conference Room 209
Flexible Office Space 210
Flexible Office Space 211
Flexible Office Space 212
Flexible Office Space 213
Flexible Office Space 214
Flexible Office Space 215
Flexible Office Space 216
Circulation 201
Flexible Office Space 217
Storage 212
Flexible Office Space 218
Flexible Office Space 219
Restroom 223 176 SF
Restroom 224 120 SF
Flexible Office Space 202
Flexible Office Space 203
G
F
E
D
C
B
A
9
10
11
12
13
14
15

FCMP – 4.2.6


Storage Module 1
1A
Storage Module 3
3A
Storage Module 6
6A
Storage Module 6
6B
Storage Module 3
3B
Storage Module 6
6C
Storage Module 4
4A
Storage Module 7
7A
Storage Module 10
10A
Storage Module 1
1B
Storage Module 10
10B
Storage Module 10
10C
Storage Module 12
12A
Storage Module 4
4B
Storage Module 7
7B
Storage Module 12
12B
Storage Module 14
14A
Storage Module 4
4C
Storage Module 7
7C
Storage Module 10
10D
Storage Module 5
5A
Storage Module 1
1C
Storage Module 5
5B
Storage Module 8
8A
Storage Module 11
11A
Storage Module 11
11B
Storage Module 11
11C
Storage Module 13
13A
1159 SF
Storage Module 14
14B
Storage Module 5
5C
Storage Module 8
8B
Storage Module 11
11D
Storage Module 14
14C
Storage Module 9
9A
Storage Module 2
2A
Storage Module 2
2B
Storage Module 9
9B
DN

FCMP – 4.2.7

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval of UH Renovation of Science, Engineering, and Classroom Laboratory build-out Phase III.

DATE PREVIOUSLY SUBMITTED: Phase II was approved in June 2008

SUMMARY: Approval is requested for the third phase of the SERC Laboratory build-out. This phase will include HVAC upgrades serving the entire building; installation of laboratory casework, fittings, and equipment for the east half of Fifth Floor and east half of Third Floor. It will also include additional design of other floors and finishing them as funds allow.

FISCAL NOTE:

SUPPORTING DOCUMENTATION: SERC Phase III Renovation Program

ACTION REQUESTED: Approval

COMPONENT: University of Houston

Renu Khator — 8-4-09

PRESIDENT Renu Khator **DATE**

7/30/09

EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE**

Renu Khator — 8-4-09

CHANCELLOR Renu Khator **DATE**

University of Houston

SERC Phase III Renovation

Supporting Information

1. **General use for the constructed space:**
    a. The east side of the 5th floor will be built out similar to the recently completed west side. There will be two (2) large synthetic chemistry laboratories, one on the north side and one on the south side. Each laboratory will have two (2) open student work areas adjacent to them. The existing Linear Equipment Corridor will be continued towards the east end of the building as well.

    b. The east side of the 3rd floor will be built out similar to the recently completed west side. There will be a continuation of the large microbiology laboratory on the north side, along with smaller tissue culture and equipment rooms. The south side will contain smaller support and analytical labs. The existing Linear Equipment Corridor will be continued towards the east of the building as well.

2. **Brief history of first phase of floor remodel, and overall build-out schedule:**
    a. The north side of the west end of the Fifth Floor was started on 02/17/09. Substantial completion was 04/29/09. The south side was started later on 03/28/09 and was completed 07/31/09.

    b. Construction on the west side of the 3rd floor started in 10/08 and completed in 02/09.

3. **Type of research in this phase:**
    a. 5th floor east - Synthetic Organic Chemistry

    b. 3rd floor east - Microbiology

4. **Size (SF) and fit-out description:**
    a. The east side of the 5th floor is approximately 9,540 s.f. The laboratory spaces consist of wood casework and a total of fifty-four (54) chemical fume hoods. The student open office areas are outfitted with wood and metal rolling desks.

    b. The east side of the 3rd floor is approximately 9,900 s.f. The laboratory spaces consist of metal casework, metal chemical storage and biological safety cabinets, and a total of six (6) chemical fume hoods, and two (2) radioisotope fume hoods. There are also two (2) environmental rooms that will be installed in the Linear Equipment Corridor.

5. Utility infrastructure changes (if any) and costs:

a. Additions to the existing building mechanical system are required to provide redundancy, and to add the capability of using radio isotope fume hoods. The mechanical equipment additions include:

- One (1) Rooftop Air Handling Unit
- One (1) Chemical Exhaust Fan
- One (1) Radio Isotope Exhaust Fan

The current system provides the minimum requirements of conditioned air and exhaust. If one piece of equipment fails, the entire building is in alarm, which will cause the air supply and exhaust to not function correctly. These additions will prevent this scenario. The radio isotope system is required for research opportunities.

University of Houston

UH Renovation of Science, Engineering, and Classroom Laboratory Build-out Phase III

Supporting Information

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval of the Stadium Parking Garage #1 project.

DATE PREVIOUSLY SUBMITTED: 2006 Campus Parking Framework Plan- approved 11/06

SUMMARY: Approval is requested for a 2,000-2,400 car parking garage in the Stadium Precinct. The garage will replace lost surface parking spaces, meet the parking needs of the west portion of campus and Athletics, and provide additional spaces for projected future commuter demand in this area.

The Garage will also include 10,000 SF of mixed use space as the first portion of the Cougar Walk in the Campus Framework Plan.

FISCAL NOTE:

SUPPORTING DOCUMENTATION: Stadium Parking Garage #1 Program

ACTION REQUESTED: Approval

COMPONENT: University of Houston

Renu Khator 8-4-09
PRESIDENT Renu Khator **DATE**

7/30/09
EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE**

Renu Khator 8-4-09
CHANCELLOR Renu Khator **DATE**

University of Houston

Stadium Parking Garage #1

Supporting Information

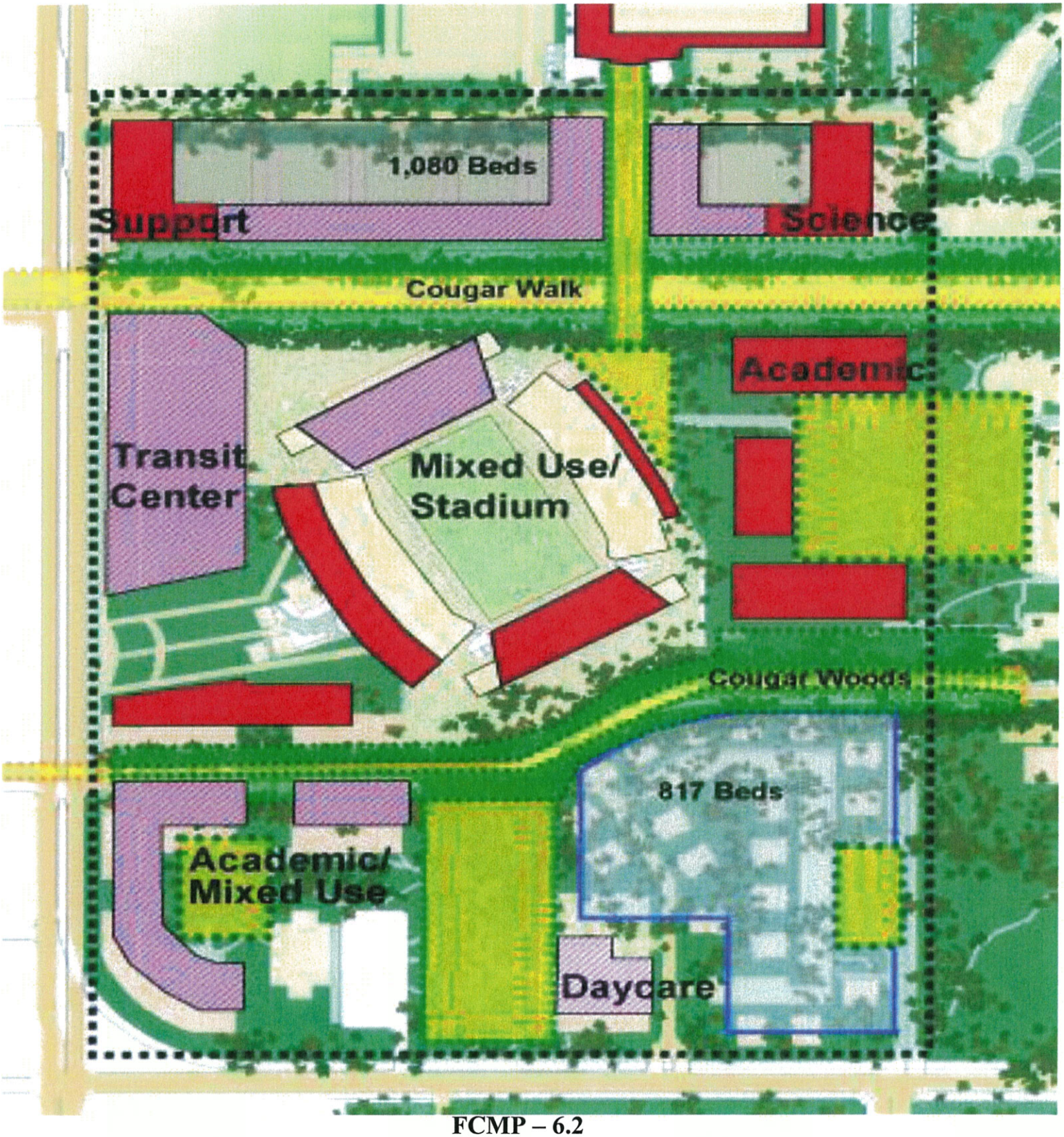
The Campus Framework Plan adopted by the Board of Regents in 2007 and the Campus Transportation and Parking Plan both include a major parking structure at the corner of Holman and Cullen as an anchor for the Stadium Precinct and as part of Cougar Walk. This project follows those plans and will replace parking space previously lost when SERC was constructed and that will be lost as part of the Stadium Expansion and Metro's light rail lines. It will also provide needed spaces for faculty, staff and commuter students and spaces required for Athletic events.

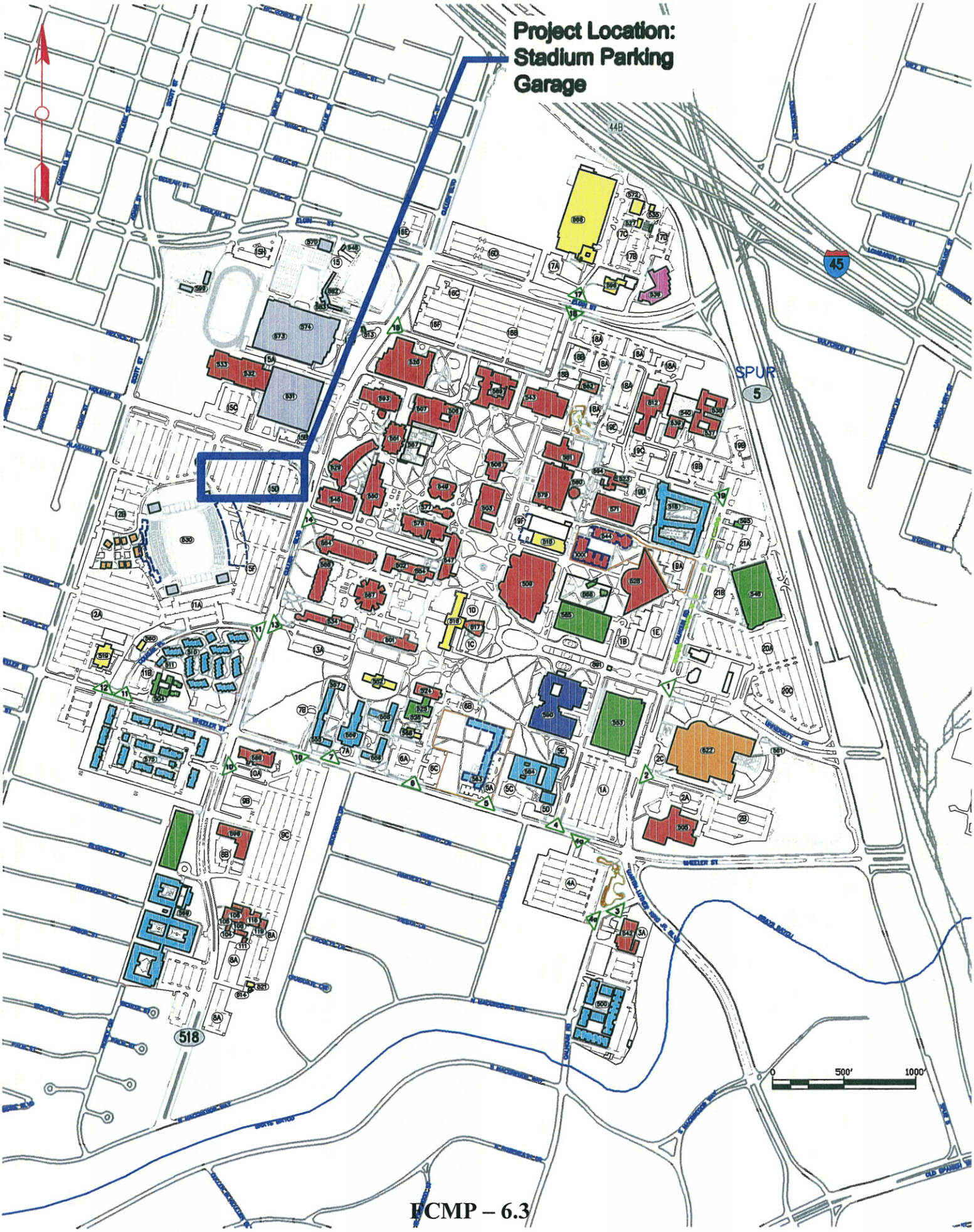
The project will provide 2000-2400 parking spaces and 10,000 SF of mixed use space. This project will also begin to define Cougar Walk. This mixed use corridor will extend the major pedestrian circulation of Entrance 14 west to provide a new major entrance to the University that leads from Metro light rail lines past Robertson Stadium and Hofheinz to the Research Buildings and on thru PG Hoffman to the core of the campus. The mixed use space of this project will border the south portion of the site aligning with the Entrance 14 pedestrian spine. It will begin to enhance the game day experience as well as provide everyday services to the underserved west portion of campus.

The Garage will be accessed from Holman and from Cullen. The corner of Cullen and Holman will include special design features in recognition of the importance, visibility and marketing possibilities of this prime corner of campus. The security design of the garage will include extensive security cameras and emergency phones all tied to and monitored by University Police, upgraded lighting levels, glass stair towers and glass rear elevator cab walls as well as well lit pedestrian circulation leading form all entrances and exits.

The exterior of the building will utilize the materials utilized elsewhere on campus and that are part of the University's standardized material and design palette.

University of Houston
Framework Plan
Supporting Information




Project Location:
Stadium Parking
Garage
44B
45
SPUR
5
518
0
500'
1000'

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Re-Approval of the Health & Biomedical Sciences Center building (formerly known as the Optometry addition).

DATE PREVIOUSLY SUBMITTED: December 9, 2008

SUMMARY: Re-approval is requested for the revised Health & Biomedical Sciences Center building (formerly known as the Optometry addition) program of approximately 84,000 ASF/167,000 GSF. Conceptual and Schematic Design has continued since the building received Committee approval in December 2008 and various financing options have been considered. Based on this the project program and scope have been revised. This first phase of the project constructs a 6 story building with 2 of the floors as shell space. These floors will be finished later as a separate project as grants and other funds become available.

During conceptual design it was also determined that additional mechanical space was required for 2 reasons. First the building could most economically be served with separate utility systems. These systems require approximately 12,000 SF of additional mechanical space that was not projected in December 2008. Secondly Vivarium code requirements dictate related mechanical equipment must be inside protected space. This requirement adds approximately 16,000 SF of additional mechanical space that was not projected in December 2008.

FISCAL NOTE:

SUPPORTING DOCUMENTATION: Health & Biomedical Sciences Center Building (formerly known as the Optometry addition) Program

ACTION REQUESTED: Re-Approval

COMPONENT: University of Houston

Renu Khator — 8-4-09
PRESIDENT Renu Khator **DATE**

C Carlucci — 7/30/09
EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE**

Renu Khator — 8-4-09
CHANCELLOR Renu Khator **DATE**

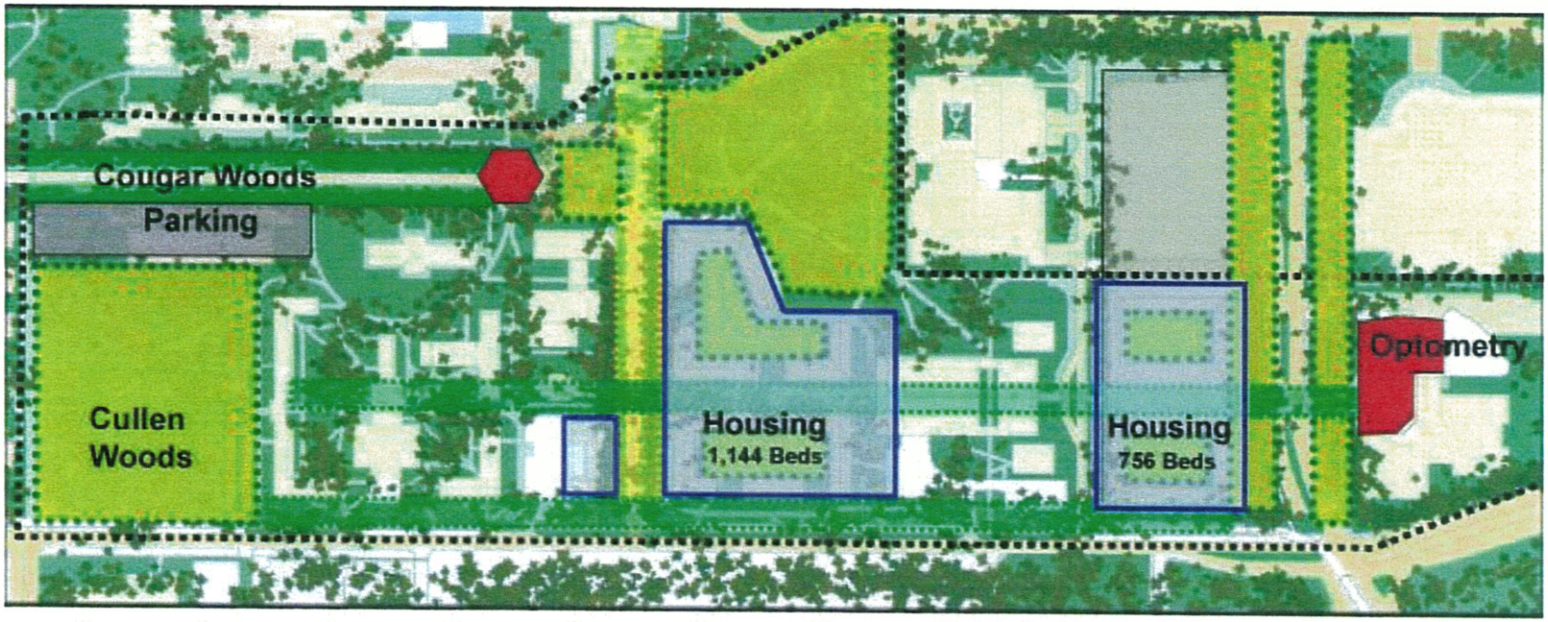
University of Houston
Health & Biomedical Sciences Center building
(formerly known as the Optometry addition)
Supporting Information

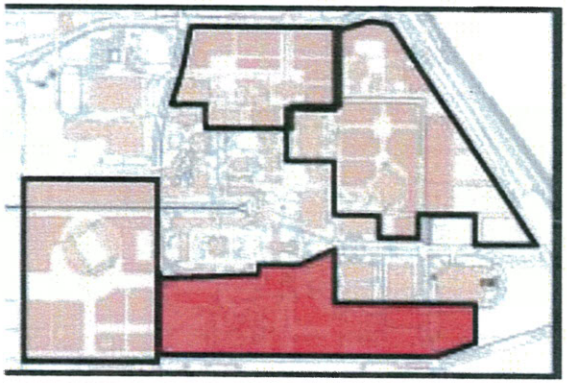
OPTOMETRY SPACE PROGRAM

Function	Finished Net ASF	Shell Net ASF	Finished Total GSF	Shell GSF
Ambulatory Surgery Center	8,043	0	13,405	0
TLC	2,478	0	4,129	0
Academic Research (Classrooms)	7,620	0	12,700	0
Academic Research (Offices & Labs)	7,990	0	13,317	0
Vivarium	14,262	14,262	23,770	23,770
CSS/Times	11,908	11,908	19,846	19,846
Public Space	4,935	0	8,225	0
Vivarium Infrastructure Space	0	0	15,652	0
Satellite Utilities Plant	0	0	12,150	0
TOTAL	**57,236**	**26,170**	**123,194**	**43,616**

BUILDING TOTAL NSF **83,405 NSF**
BUILDING TOTAL GSF **166,810 GSF**

Wheeler Precinct





Residential Program: 665,000 sf (1900 Beds)

Academic Program: 150,000 sf

TOTAL SF – 815,000 sf

Parking Garage

Mixed Use

Drop Off
Health and Biomedical
Sciences Center Building
Court
Yard
J. Davis
Armistead
Building

FCMP – 7.3


SPUR
5
45
518
Project Location:
Bldg. 505 - Health &
Biomedical Sciences
0
500'
1000'

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Re-approval of the Classroom and Business Building (formerly Bauer Business Building III).

DATE PREVIOUSLY SUBMITTED: December 9, 2008

SUMMARY: Re-approval is requested for the revised site, program and scope for the Classroom and Business Building (formerly Bauer Business Building III) of approximately 73,000 ASF/112,000 GSF.

Conceptual and Schematic Design has continued since the building received Committee approval in December 2008 and various site, programming and financing options have been considered. Based on this the project site, program and scope have been revised. This first phase of the project constructs a four-story building with two of the floors as shell space. These floors will be finished later as a separate project as gifts and other funds become available.

The site has also been changed so that academic space can be utilized more fully by various colleges and so that the building can share space with a future Engineering Building.

FISCAL NOTE:
SUPPORTING DOCUMENTATION: Classroom and Business Building (Formerly Bauer Business Building III) Program

ACTION REQUESTED: Re-Approval

COMPONENT: University of Houston

Renu Khator
PRESIDENT Renu Khator **DATE** 8-4-09

EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE** 7/30/09

Renu Khator
CHANCELLOR Renu Khator **DATE** 8-4-09

University of Houston
Classroom and Business Building (Formerly Bauer Business Building III)
Support Information

Project Scope
This project will construct a 4 story academic building on a key site in the heart of the campus near the Melcher Hall, Cullen College of Engineering, the recently completed Calhoun Lofts Professional and Graduate Residence Hall and Cemo Hall which will open in early 2010.

This first phase of the project constructs the building with 2 of the floors as shell space. The first two floors will be finished under this project. They will provide much needed classroom and academic support space for use by not only the Bauer College of Business but also all of the University. With Cemo Hall these 2 floors will provide critically required space to meet the expanding needs for Business education and the need for larger modern teaching spaces that include state of the art equipment.

The top 2 floors will be constructed as shell space under this project. They will serve future Bauer College of Business needs and will be finished later as a separate project as gifts and other funds become available.

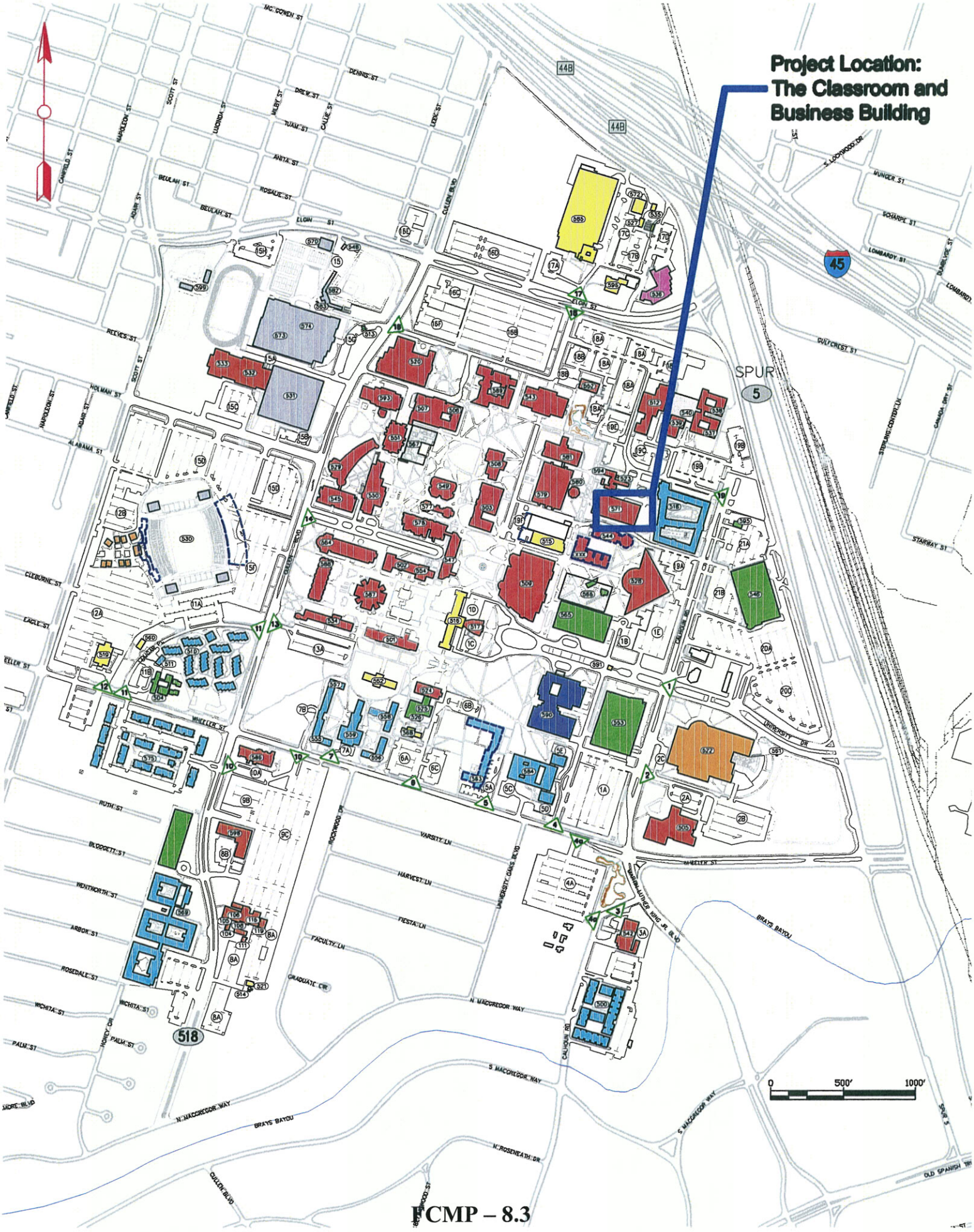
The total building will provide approximately 36,500 finished NSF and 36,500 shell NSF in a structure of approximately 112,000 GSF. The building will

The revised building location is on the east half of current Y Building location. Currently Engineering occupies the Y Building but those functions will move to the new Energy Research Park to be developed at the University Business Park being acquired by UH. This site was identified in the Framework Plan as a key academic building site for the Colleges located in the Professional precinct. Locating on this site will allow this building to form a courtyard and exterior space with Melcher Hall, Calhoun Lofts and Cemo Hall—a courtyard that will provide additional exterior opportunities for Bauer. This also reinforces the planning approach detailed in the Framework Plan.

This site will allow Bauer College of Business and the Cullen College of Engineering to more closely collaborate. The east portion of the Y Building Site will become a similar future 4 story building with the lower floors for overall University Academic Use and the upper floors space to serve Engineering needs. The 2 building will be linked allowing classrooms, labs, student breakout space and other academic space to be shared. The end result will be better facility utilization, more efficiency and increased collaboration and synergy between 2 major UH Colleges.

The exterior of the building will utilize the materials utilized elsewhere on campus and that are part of the University's standardized material and design palette.

FCMP – 8.2


Project Location:
The Classroom and
Business Building
SPUR
5
45
44B
518
0
500'
1000'

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval of the Naming the Newly Constructed Professional/Graduate Housing Complex at the University of Houston.

DATE PREVIOUSLY SUBMITTED: N/A

SUMMARY: Approval is requested to name the newly constructed Professional/Graduate Housing Complex at the University of Houston Calhoun Lofts

In the absence of a donor, recent housing projects have been named, for the most part, according to their location. Cullen Oaks is on Cullen Blvd.; Bayou Oaks is situated along the bayou. The new project is located on Calhoun Road and "lofts" is indicative of its most salient feature, distinguishing it from the other housing projects, since it is high rise living.

FISCAL NOTE:

SUPPORTING DOCUMENTATION:

ACTION REQUESTED: Approval

COMPONENT: University of Houston

Renu Khator 8-4-09
PRESIDENT Renu Khator **DATE**

EXECUTIVE VICE CHANCELLOR Carl Carlucci 7/30/09 **DATE**

Renu Khator 8-4-09
CHANCELLOR Renu Khator **DATE**

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval is requested to locate a relay communications tower at the University of Houston-Clear Lake.

DATE PREVIOUSLY SUBMITTED:

SUMMARY: Approval is requested to locate a relay communications tower at the University of Houston-Clear Lake. The antenna facility will enhance communications throughout the City of Houston, Harris County and the University of Houston System for 24-hour public safety and welfare.

FISCAL NOTE:

SUPPORTING DOCUMENTATION: Site map of requested relay communications tower.

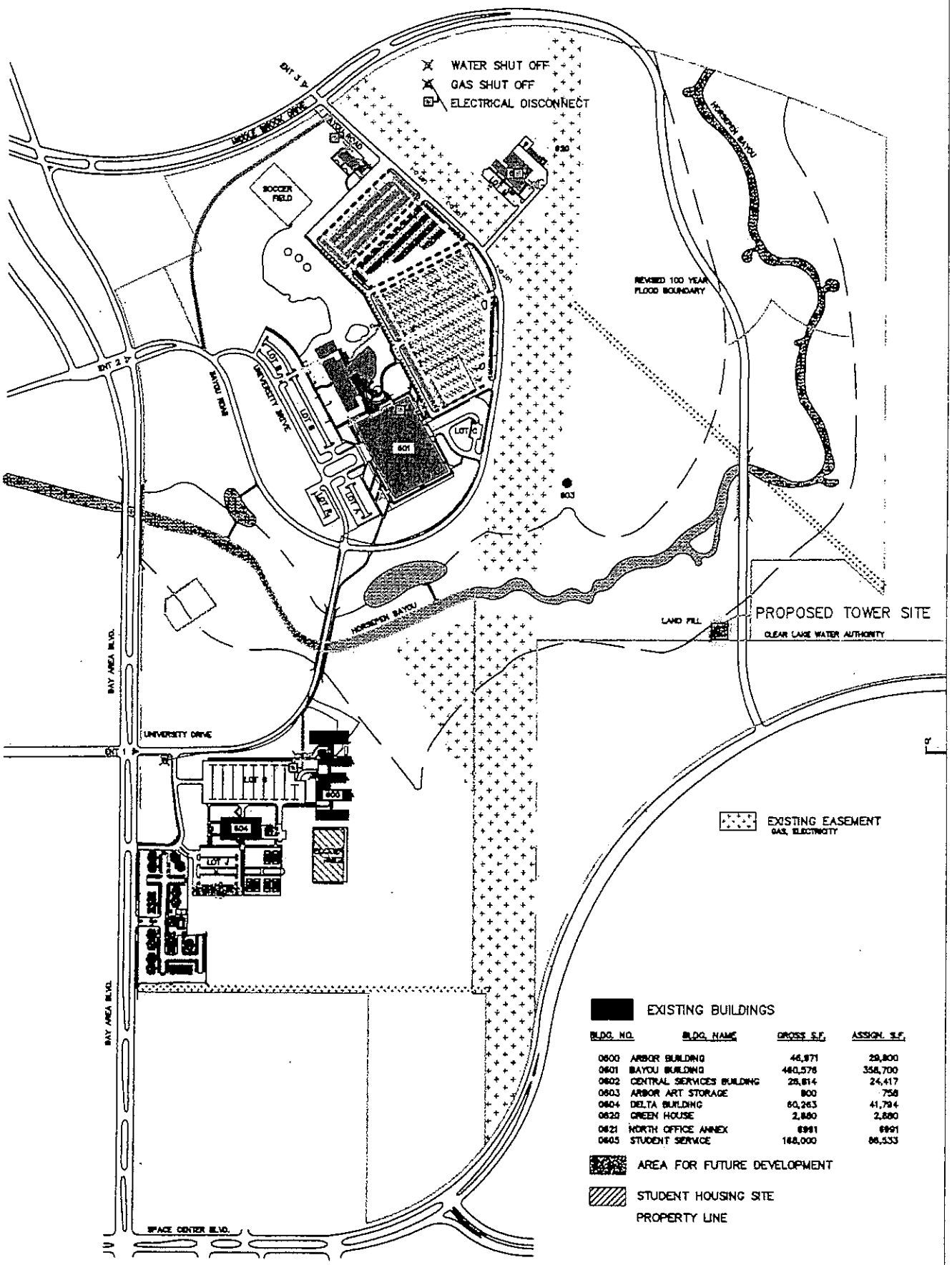
ACTION REQUESTED: Approval

COMPONENT: University of Houston-Clear Lake

William a. Staples — 7/29/09
PRESIDENT William Staples **DATE**

C P Carlucci — 7/30/09
EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE**

Renu Khator — 8-4-09
CHANCELLOR Renu Khator **DATE**



BLDG. NO.	BLDG. NAME	GROSS S.F.	ASSIGN. S.F.
0600	ARBOR BUILDING	46,871	29,800
0601	BAYOU BUILDING	460,576	356,700
0602	CENTRAL SERVICES BUILDING	25,814	24,417
0603	ARBOR ART STORAGE	800	758
0604	DELTA BUILDING	60,263	41,794
0620	GREEN HOUSE	2,880	2,880
0621	NORTH OFFICE ANNEX	6991	6991
0605	STUDENT SERVICE	168,000	86,533

University of Houston Clear Lake

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Approval is requested to amend the University of Houston-Victoria master plan and develop a residence hall/academic service center.

DATE PREVIOUSLY SUBMITTED:

SUMMARY: Approval is requested to amend the University of Houston-Victoria master plan and develop a residence hall/academic service center. This would require infrastructure, site and building improvements.

FISCAL NOTE:

SUPPORTING DOCUMENTATION: Residence Hall and Student Academic Services Center Program

ACTION REQUESTED: Approval

COMPONENT: University of Houston-Victoria

PRESIDENT	Tim Hudson	7/29/09 **DATE**
EXECUTIVE VICE CHANCELLOR	Carl Carlucci	7/30/09 **DATE**
CHANCELLOR	Renu Khator	8-4-09 **DATE**

University of Houston Victoria
Residence Hall and Student Academic Services Center
Supporting Information

Background

UHV's downward expansion plan is to be accomplished over the next several years. Quality student housing under UHV control is an essential element of that effort and in successful recruitment of students region wide and beyond.

Project Overview

As a cost effective strategy the University proposes to acquire an existing Victoria hotel property within walking distance of UHV, expand the Campus Master Plan and integrate the facility into UHV's overall programs and campus. This project includes redevelopment and renovation of the hotel property as an Academic Services Center and Residence Hall.

Masterplan

The existing University of Houston-Victoria Master Plan is attached as is a site plan showing the potential location of this project. The revision to the Masterplan adds this property and expands the facilities of UHV.

Project Scope

- There are several properties under consideration with potential to meet UHV requirements. Market availability, pricing, property condition and transaction terms and conditions will determine which property is selected. One of the two candidates is within 4 blocks of campus and contains up to 226 rooms, meeting space, dining and related hotel facilities and parking. The other is within 2 miles and contains up to 126 rooms and contains related hotel facilities and amenities and parking.

Program of Facilities
(Depending on Property Selected)

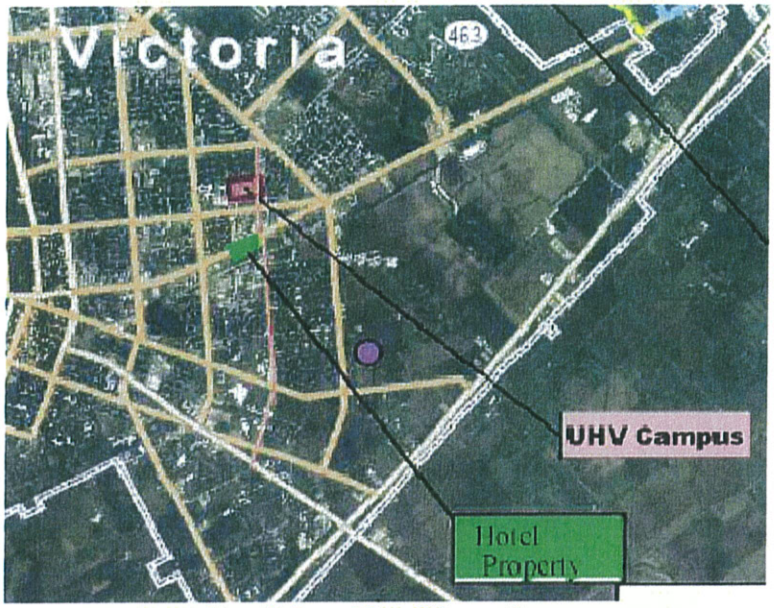
- Student Welcome Center
- Student Services, Career Services, Counseling, Student Organization/Leadership, Student Employment, Disability Services, Student Orientation facility and student IT Lab.
- Multipurpose Meeting Facilities
- Student Residence Hall (double occupancy rooms)
- Dining facility and catering service.

Occupancy Projection

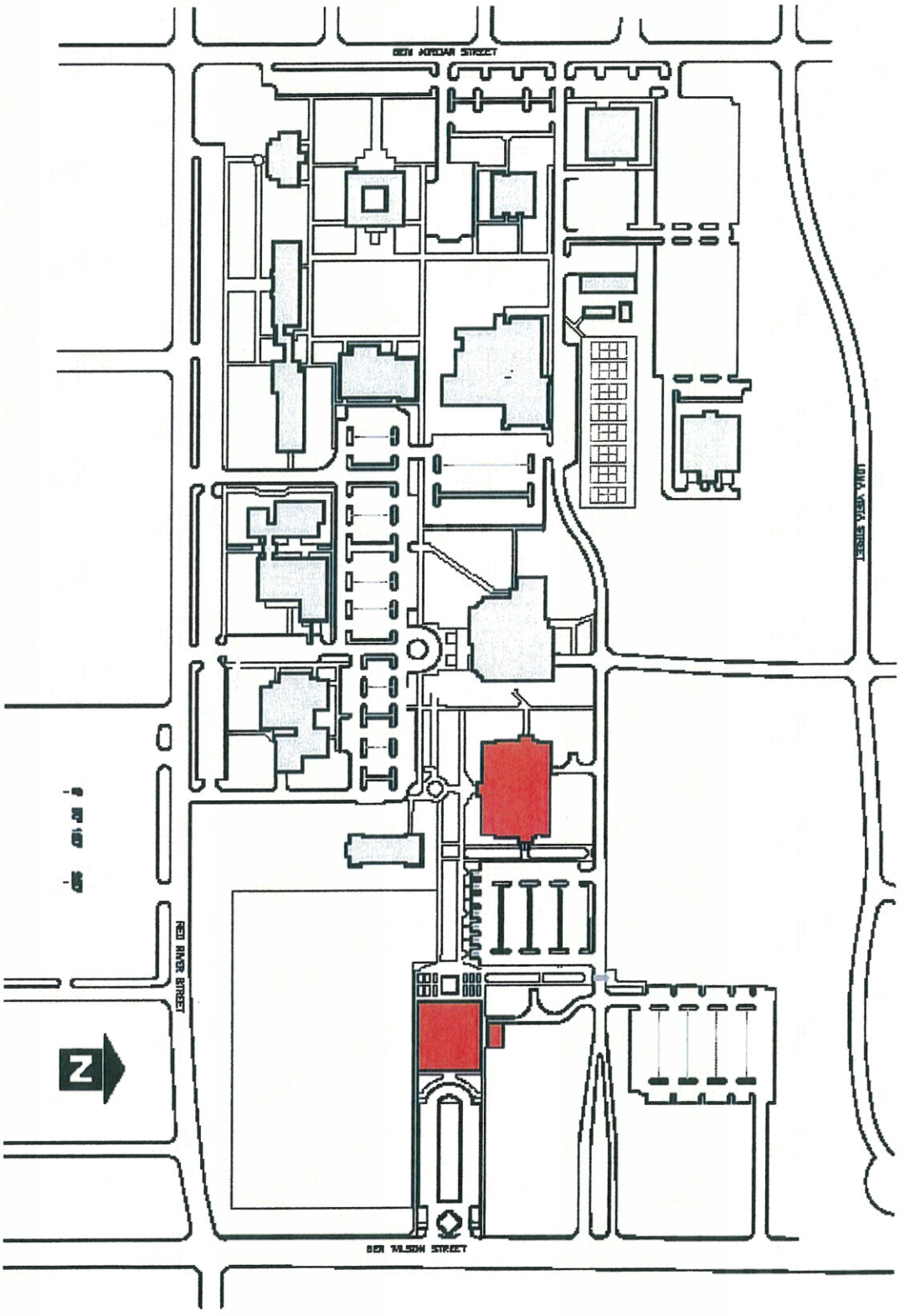
Event	Open				Stabilized
Date	Aug. 2010	Aug. 2011	Aug. 2012	Aug. 2013	Aug 2015
Rooms	95	148	153	163	200
Students/Beds	190	294	305	325	400

Conclusion

The hotel purchase strategy offers an effective approach to provide the needed student housing and related programs and amenities within the tight time frame and makes a logical addition to the Campus Master Plan.



Candidate Hotel Locations



UH Victoria Campus Master Plan
July 2009


Where we are going…
Critical Decisions

Short Term Housing Options

We believe there are two housing options to address immediate student housing needs.

- Option A – University Provided Housing
  - Primary and preferred option
  - The University would purchase a nearby motel that is suitable for renovation into student housing for students.
- Option B – Housing Assistance - Private Apartment Placement
  - Less desirable outcome for reasons that are explained below

Option A – University Provided Housing

UHV is committed to providing safe, secure, housing to incoming freshmen and sophomores and meeting the expectations of parents. Creating a dorm-style environment is an essential element of all 4-year destination universities. Student housing offer students the opportunity to interact in a dynamic living community of students, with different cultures, lifestyles and attitudes.

Other Downward Expansion Housing Transitions

The following is a summary of housing offered at former upper level universities.

- Texas A&M International University - at the time of downward expansion, initially required students to find their own housing. However within two years, A&M International constructed campus student housing.
- Texas A&M University – Corpus Christi - partnered with a private developer who built and managed on campus housing for the University.
- University of Texas at Tyler - built two residential facilities five years before admitting their first freshmen.

All three universities believed it was important to provide university housing for incoming freshmen.

UHV has an opportunity to bypass the time it would take to build new dorms by purchasing and conversion of an existing motel-style facility. There are two motel-style properties that would satisfy housing needs. A purchase of either facility would enable UHV to

provide safe, affordable, and desirable living accommodations for incoming freshmen and shophomores.

Purchase Option 1

The preferred purchase is a 226- room motel style complex located near the campus.

Business and Operational Plan

With the exception of the first two years of ownership the University will generate positive cash flow from its dorm operations. Beyond the fifth year of occupancy, UHV will evaluate the property's continued viability based on the long-term business plan for the university. UHV is able to allocate 15% of the facilities costs to university operations due to the number of staff offices that will be located there and events that will be held at the new facility.

The following table shows the Dormitory Business and Operational Plan net gain or loss from the purchase year (FY 2009-2010) through the fifth year of occupancy (FY 2014-2015). For more detailed information see Appendix D.

Short-term Housing Solution - Dormitory Business and Operational Plan

	Purchase Year FY 2009-10	1st Year of Occupancy FY 2010 - 11	2nd Year FY 2011 - 12	3rd Year FY 2012 - 13	4th Year FY 2013 - 14	5th Year FY 2014 - 15
Expense Subtotal	1,144,089	1,061,193	1,144,604	1,178,197	1,219,879	1,272,512
Less Expenses Funded with E&G	777,068	88,146	100,048	104,459	110,064	117,292
Expenses Funded with Auxilary	367,021	973,047	1,044,556	1,073,738	1,109,815	1,155,220
Auxilary Revenue	-	798,000	1,234,800	1,281,000	1,365,000	1,478,400
Net Gain (Loss)	(367,021)	(175,047)	190,244	207,262	255,185	323,180

Purchase Option 1, 226 room motel-style complex and conversion into student housing is based on the following assumptions:

General Assumptions

- The property will be purchased in December 2009 following approval by UHS Board of Regents and the Texas Higher Education Coordinating Board.
- Estimated Revenue Bond will be $5.0 million
    - $3.5 million property purchase price

- $1.5 million for renovations, furniture and other start up costs (i.e. fixing roof issues, carpeting, painting)

- Freshmen and sophomores will be required to live in the dorms
  - Two students per room
  - Same grade level per room
  - Required meal plans

Revenue Assumptions

- Approximately 15% of the facility cost will be funded by HEAF and E&G based on 15% space usage for the following offices and events:
  - Welcome Center
  - Student Services
  - Career Services
  - Counseling Center
  - Student Organizations/Leadership
  - Student Employment Center
  - Disability Services
  - LEAD Program(Letting Education Achieve Dreams)
  - New Student Orientation
  - Student IT Labs
  - Multipurpose meeting areas
- Student enrollment forecast serves as UHV's auxiliary revenue base:
  - Rent is projected to be $4,200 per student for a nine month lease (Fall/Spring semester). Amount based on the lowest lease rate from Texas A&M College Station, University of Texas – Pan American, and University of North Texas. See Appendix D.
  - Revenue base does not include other income that may be generated throughout the year, or during the summer months (i.e. summer camps, student events, summer contracts).

Expenses Assumptions

- During the purchase year, only 27,000 square feet of estimated common area will be in use.

- Housekeeping and maintenance will require the following additional personnel:
    - One person in the purchase year
    - One additional person for the subsequent years
- Overall utility costs per year are reduced by 15% based on the decreased building usage with fewer residents in the summer months.
- Grounds will require minimal support, because most of the property is paved. Current grounds personnel will be utilized for routine services such as outside maintenance, parking lot cleaning and restriping and maintenance of greenscapes.
- Insurance rate estimates are based on discussions with UHS office of Environmental Health and Risk Management.
    - Purchase year is prorated for nine months of the estimated annual rate of $35,000.
    - Years following the purchase year are based on rate increases of 10% annually.
- Staffing will require the hiring of new positions.
    - Security Officers – One and half security officers will be added to UHV's current security staff.
    - Resident Director - Will be hired during the purchase year, and the position would begin in March 2010.
    - Resident Assistants – four half-time student employees.

Purchase Option 1 Appraisal

In May 2009 the UHS Real Estate Office contracted with the firm of CB Richard Ellis - Valuation & Advisory Services (CBRE), from San Antonio, Texas to prepare an appraisal of the market value of the property.

CBRE found that the property consisted of two hotel buildings located along the Houston Highway (Business US 59) in Victoria. The original or "main" building consists of a two story domed roof hotel facility. This facility contains 138 hotel rooms, a restaurant, lounge, domed covered pool, fitness center and meeting space. A second building known as "the annex" is located west of the main building across the parking lot. This structure is two stories and contains 88 hotel rooms. CBRE has determined that the highest and best use of the property would be to operate the main building with 138 rooms and redevelop the remainder of the site if it were

to remain a hotel operation. CBRE has estimated that 2.0 acres of land could be redeveloped as a separate entity. The area that contains the annex has been treated as vacant excess land and the value of the hotel consists of only the 138-unit main building. The property was operating as a Howard Johnson hotel at inspection.

Based on the analysis in the full appraisal, the market value of the property is concluded as follows:

Market Value Conclusion				
Appraisal Premise	**Interest Appraised**	**Date of Value**	**Exposure Time**	**Value Conclusion**
As Is	Fee Simple	April 22,2009	12 Months	$3,000,000
Compiled by CBRE				

The opinion of the market value includes the contributory value of the furniture, fixtures, and equipment and is based on the assumption the hotel is open and remains in operations. Key elements of this appraisal can be found in Appendix E.

Timeline

The following is the projected timeline from purchase to student move-in.

August 2009	UHS Board of Regents approves purchase of commercial facility
October 2009	Texas Higher Education Coordinating Board approves purchase of facility
November 2009	Bond Review Board approves issuance of Revenue Bonds for the purchase and renovation of the facility
December 2009	Facility is purchased
January 2010 – March 2010	Renovation to common area facility and purchase of dorm style furniture
March 2010	- Facility interior complete - Conference rooms and offices are ready for use - Room models are ready to show - Begin moving Student Services offices to facility - Begin student site visits
Summer 2010	- Conduct student orientations at the facility - Continue to have student visits - Complete renovation of facilities
August 2010	Students begin occupying the dorm

Purchase Option 2

The second purchase option is a smaller 126 room motel style complex located further north on Highway 59.

Business and Operational Plan

While the property is easily accessible to the University with frontage on Highway 59 on a site approximately 5.4 acres in size,

the property only offers 126 rooms and approximately 10,000 sf of common area. The total interior space totals approximately 50,000 sf.

Purchase of Option 2 property and conversion into student housing is based on the following assumptions:

- Estimated Revenue Bond will be $3.3 million.
- Freshmen and sophomores will be required to live in the dorm the first year, and in subsequent years freshmen will be required and sophomores will be allowed to fill in the rooms not occupied by freshmen.
- Approximately 10% of the facility cost will be funded by HEAF and E&G based on 10% space usage. Usage for this property will be limited to Student Services and various other required offices. The property does not have the space to accommodate additional amenities such as student IT Labs and Multipurpose meeting areas.
- This property will only require one additional housekeeping and maintenance staff person.

For detailed information on the Business and Operational plan for this property see Appendix F.

Option B – Housing Assistance-Private Apartment Placements

Option B provides the university an immediate (if temporary) solution for housing for incoming students. This option is less desirable. Local realtors will provide a list of suitable apartment complexes in the area for students to live in. However private apartments do not provide the sense of community, affordability, security, and control that UHV has a responsibility to provide for its incoming freshmen and sophomores. See Appendix F for list of area apartments and for pictures of the apartments.

This list of apartments will not guarantee availability or cost to students but will assist the students with some idea of where to look for apartment complexes. This approach was used temporarily by Texas A&M International University and Texas A&M-Corpus Christi until these universities completed the construction of student housing.

With Option B, freshmen and sophomore students will be spread across the Victoria area. In essence, UHV will continue to be a commuter university. Students will not build the collegial relationships and a sense of community that develops when they live and socialize together.

Many amenities and services that would have been provided by student housing are impossible to provide in a private apartment setting. Computer labs, centralized study areas, recreational areas, tutoring and mentoring services, social programming, weight rooms, conference halls, and dining facilities will not be available to students living in private apartment complexes.

Conclusion – Student Housing Ownership

Option A University Provided Housing is UHV's preference.
University housing provides:

- Secure and safe environment.
- Supervision and better accountability of students.
    - Resident assistants (RA's) will be available to address student issues such as referrals, homesickness, etc.
    - Dorm policies regarding alcohol use, curfews, etc, will be enforced.
- Staff and faculty can be available on-site for tutoring and mentoring needs.
- Freshmen and sophomores will all be in one place allowing for greater interaction and community.
- Student and campus life can be a primary focus.
- Social awareness programs will be available such as alcohol and drug education.
- Student Services will have offices on location.
- Counseling services will be available.
- Students will have access to onsite computer labs, workout room, study areas, conference rooms, and dining services.

Purchase Option 1 is UHV's preferred location for Student housing. The facility is larger and offers more options for students and staff. With Purchase Option 2 UHV will be limited in the number of offices that are available for staff expansion, and the number of amenities that we will be able to offer at that location. We will be

unable to offer a computer lab on site and will not have the multipurpose event center available for University activities.

Proposed New Campus Site

UHV will exceed current capacity within three years after freshman and sophomores are admitted. The Victoria community recognizes UHV's need for a new location as an opportunity for mutual economic and quality of life benefits.

On March 31, 2008, the County of Victoria adopted a motion on behalf of the county to support and work cooperatively with UHV in allocating up to 300 acres of land adjacent to the Victoria Regional Airport. The land proposed by the county for donation is accessible via Highway 59 and will be accessible via a new transportation effort being planned by the City of Victoria which would extend Airline Road, a major thoroughfare, from the intersection of Loop 463 to Victoria Regional Airport. These roads can be seen in Figure 3 of the University of Houston New Site Feasibility Study (page 9 of Appendix H). As seen in Figure 6 of the University of Houston New Site Feasibility Study (page 14 of Appendix H), extensions of water and wastewater lines are poised to follow the proposed extension of Airline Road.

Economic Development Building - Location?

UHV has approximately $9.8 million in funding currently available that supports the creation of the Regional Economic Development Center building (REDC). There are two main issues surrounding the construction of the Regional Economic Development building. One is location - Does UHV build the facility as the last building on its current site or the first building on the new campus site?

The second issue is if the latter location is chosen - Will UHV be able to get the donated land approved, can we complete the master plan to site the building, and begin construction before February, 2010 to avoid loss of $800,000 in Federal funding for this facility.

Feasibility Plan and Consultants

Throughout this document reference is repeatedly made to the University of Houston New Site Feasibility Study (Appendix H). This feasibility study was conducted by CHA, Inc., a diversified, full service engineering and planning firm with over 725 engineers, professional planners, landscape architects, technicians, surveyors and support personnel located throughout the United States. One

purpose of the study was to examine the potentially available property that might best accommodate the prospective university program and to offer recommendations on a path forward for possible land donations and development plans for any future university expansion.

CHA also conducted two other feasibility studies. One study, referred to in this document as the Economic Development Study (Appendix I), reviews the relationship between certain entities in the Victoria area and the business and development plan of soliciting and implementing community and regionally inspired economic development ideas. The second study, referred to in this document as Texas Aviation Program Study looks at Texas's stake in educating aviation professionals. This study can be found in Appendix J.

A forth study, referred to as the Engaged Concept Development Services Study was conducted by independent consultant Chris Basham, AIA, AICP, LEED, and AP-Principal. Basham's work also supports the premise that there is opportunity among several community entities in the Victoria area that have development plans that seem to align in support of regional economic expansion. This study can be found in Appendix K.

Facilities

By 2013, UHV is projecting more students than the current capacity of classrooms and parking will be able to handle. With the current main campus situated on a 16 acre site, the location will not be capable of expansion beyond one additional building. No additional acreage is available adjacent to the campus. Thus, it is essential that the University plan for the relocation and expansion at a new location. As stated in the executive summary, the 82nd legislative session in 2011 will be a critical point in the development of the university into a true, four-year, residential, campus. That legislative session will be considered a tuition revenue bond (TRB) authorizing session since the legislature typically authorizes TRBs every other session. The University will seek the authority to develop the new campus through the issuance of approved TRBs. As shown on the next page, UHV will need to build academic, classroom, and administrative space. Infrastructure development

and a plant facility will also be needed. Approximately $70 million in TRBs is shown as a place holder to handle student growth. In order to reduce the amount of TRB requests, the current shared library with The Victoria College will remain at that site until student growth dictates a need for the library to have a presence at the new campus.

On-campus student housing will also be added during this transition period with a facility to handle approximately 400 students (200 units). This project will be funded using private investor funds.

Other projects planned are a student center with a food court and bookstore (will need to be approved by a student vote) and athletic facilities for baseball, softball, and soccer (developed using private donations).

With the new partnership with the County of Victoria and City of Victoria, opportunities will be in place to take advantage of developing joint projects. One such project could be a multi-use events center, which could also function as the University's basketball arena, conference center, commencement location, and a lab setting for student interns. A placeholder of $22 million is shown on the next page with various revenue sources consisting of university, county, city, and private funds.

Also attached are two charts indicating the dollar amount of tuition revenue bonds approved by former upper-level universities who went to four-year, residential status. As noted, even with the addition of $70 million in TRB's needed for future expansion, UHV will receive less funding than others, including Texas A&M-Texarkana, with a student enrollment of only around 1700, who received $75 million for downward expansion. State appropriated funding levels along with special items are included on the chart, which indicates the growth of state funding provided to those universities who expanded into a four year university, which far outpaced UHV in its upper level status.

Components of the Proposed Expansion
State Funding
2011 through 2014
(in millions)

Calendar Year	State Tuition Revenue Bonds (TRB)	Description of Project or Expansion
2011		Approval of Tuition Revenue Bonds by State Legislature
		begin construction of 200 units (400 occupant) student housing using private funding
	61	begin construction of academic, classroom, and admin spaces using TRB
	6	infrastructure development using TRB
	3	facility plant, including central chilling plant using TRB
2012		
		begin construction of student center, food court, and bookstore using student fees
		athletic fields for baseball/softball from private donations
2013		2011 facilities projects complete
2014		2012 facilities projects complete
		Joint multi-use facility with local entities
		athletic soccer fields and tennis courts
Total	**$70**	

NOTES:

oTo minimize campus TRB requests, UHV will continue to utilize the Victoria College library. Electronic access to library resources will be available along with courier services.

oThe legislature considers TRB requests once every four years. Tuition Revenue Bond requests for the 2015 legislative session will be determined at a later date based on enrollment and academic program requirements.

Components of the Proposed Expansion
Non State Funding
2011 through 2014

(in millions)

Calendar Year	Higher Ed Assistance Funding (HEAF)	Student Fees	Revenue Bonds	Outside Funding	Private Donations	Description of Project or Expansion
2011						**Approval of Tuition Revenue Bonds by State Legislature**
				18		begin construction of 200 units (400 occupant) student housing using private funding
						begin construction of academic, classroom, and admin spaces using TRB
						infrastructure development using TRB
						facility plant, including central chilling plant using TRB
2012						
		10				begin construction of student center, food court, and bookstore using student fees
				1	3	athletic fields for baseball/softball from private donations
2013						**2011 facilities projects complete**
2014						**2012 facilities projects complete**
			6	12	4	Joint multi-use facility with local entities
					2	athletic soccer fields and tennis courts
Total	**$0**	**$10**	**$6**	**$31**	**$9**	

NOTES:

•Higher Education Assistance Funding will be reserved for future infrastructure needs, maintenance, information technology, and library acquisitions.

Historical Perspective

State Tuition Revenue Bond (TRB) Authorizations for Similar Downward Expanding Institutions

Legislative Session	Year	Texas A&M Corpus Christi	Texas A&M International	Texas A&M Texarkana	UT Permian Basin	UT Tyler	University of Houston Victoria (1)
72nd	1991	$30,000,000					
72nd(1st)	1991		$30,000,000				
73rd	1993	$22,000,000	$36,000,000				
74th	1995						$4,500,000
75th	1997	$25,000,000	$39,500,000	$4,000,000	$25,800,000	$9,500,000	$10,000,000
76th	1999						
77th	2001	$34,000,000	$21,620,000	$17,000,000	$5,610,000	$20,910,000	$2,805,000
78th	2003		$12,500,000				
79th(3rd)	2006	$45,000,000	$37,576,600	$75,000,000	$99,000,000	$49,500,000	$8,519,400
80th (2)	2007						
81st	2009						
TOTAL		**$156,000,000 (3)**	**$177,196,600**	**$96,000,000**	**$130,410,000 (3)**	**$79,910,000 (3)**	**$25,824,400**

(1) TRB funding for Victoria campus location only

(2) Authorized tuition revenue bonds in 79th -3rd called session were funded in the 80th legislative session

(3) Permanent campus location in existence when downward expansion occurred

FY 2008-09 Total Appropriations for the Biennia	
TX A&M - Corpus Christi	$ 127,004,268
TX A&M - International	95,079,630
UT - Tyler	80,172,980
UT - Permian Basin	68,301,469
UH-Victoria	41,984,227

FY 2008-09 Special Items for the Biennia	
TX A&M - Corpus Christi	$ 22,700,106
TX A&M - International	21,375,398
UT - Permian Basin	19,103,040
UT - Tyler	16,437,932
UH-Victoria	5,444,750

UNIVERSITY OF HOUSTON SYSTEM
BOARD OF REGENTS AGENDA

COMMITTEE: Facilities, Construction and Master Planning

ITEM: Status Report of Major Construction Projects

DATE PREVIOUSLY SUBMITTED:

SUMMARY: Associate Vice Chancellor for Plant Operations Dave Irvin will present a report on major construction projects. A copy of the Major Construction Projects List is attached.

FISCAL NOTE:

SUPPORTING DOCUMENTATION:

ACTION REQUESTED: Information

COMPONENT: University of Houston

Renu Khator 8-4-09
PRESIDENT Renu Khator **DATE**

7/30/09
EXECUTIVE VICE CHANCELLOR Carl Carlucci **DATE**

Renu Khator 8-4-09
CHANCELLOR Renu Khator **DATE**