

Facilities Planning & Construction



April 1, 2011

UNIVERSITY of **HOUSTON**

PLANT OPERATIONS

Facilities Planning & Construction Department

Health and Biomed

- Design Start 6/21/10
- Design Complete 4/4/11
- Construction Start 1/17/2010
- Substantial Completion Fall 2012
- Commissioning/Activation Fall 2012
- Occupancy Fall 2012

Status/Issues:

- BSL3 in Health and Biomed ?
- Vivarium for Pharmacy ?
- Vivarium for West Side of Campus?
- Air Handler to support level 5 install in this phase?
- Redundant power provided by generators located in Satellite Plant

Fleming Addition

- Design Start 1/1/10
- Design Complete 8/1/10
- Construction Start 7/6/10
- Substantial Completion 8/1/11
- Commissioning/Activation 10/2011
- Occupancy 11/11-12/11

Issues:

- Proceeding with design and construction for ½ of level four.
- Delay on level 3 due to construction on level 4.
- DPS has requested we review options of placing fence down Cullen in front of Fleming to restrict pedestrian jaywalking. Referring to Real Estate

Fleming Addition Photos



Fleming Addition Photos



UNIVERSITY OF HOUSTON

PLANT OPERATIONS

Facilities Planning & Construction Department

SERC Phase IV (Level 4)

- Scope Approved April 8, 2011
- Design Complete July 15, 2011
- Construction NTP September 2011
- Construction Complete May 2012

Issues:

- Engineering program confirmed for level one
 - Projected construction completion for Fall 2011
- Vacuum Breaker issue
 - Pressure sensors placed on lines to determine pressure spikes.
 - FM replaced lining of bladder tank
 - Shock Arrestors installed
 - Circulating pump operation adjusted
- Retro Commissioning set to start in July of this year

SR-I Infrastructure Improvements

- Design Start 10/01/09
- Design Complete 05/03/10
- Construction Start 01/17/10
- Substantial Completion Spring 2012
- Commissioning/Activation Spring 2012
- Occupancy N/A

Issues:

- Chemical storage strategy
- Significant Deferred Maintenance issues impacting contingency
 - Developing list per each floor of required maintenance items.

SR-1 Offices (Dr. Casey)

- Design Start 07/20/10
- Design Complete 01/20/11
- Construction Start N/A
- Substantial Completion Summer 2011
- Commissioning/Activation Spring 2012
- Occupancy Summer 2011

Issues:

- Hold until budget reconciliation of remaining funds and scope are aligned.

Science Complex - \$57m

PROJECT NAME	FUNDING	FORECASTED COST-TO-COMPLETE	SAVINGS AVAILABLE
Fleming Addition (Base Bldg.)	\$31,199,333.00	\$30,451,333.00	\$1,148,000.00
Fleming Addition (1/2 4th Flr. Build-out)	\$0.00	\$4,053,637.00	\$0.00
SR-1 Life Safety, CW and AHU Upgrades	\$14,600,000.00	\$15,434,180.00	-\$834,180.00
SR-1 Energy Offices (1st Floor)	\$506,419.04	\$506,419.04	\$0.00
Old Fleming - Life Safety	\$7,962,794.96	\$4,126,556.00	\$3,331,166.94
Old Science - Life Safety	\$3,340,147.90	\$1,707,457.00	\$1,476,544.21
Spectrometer	\$179,759.10	\$176,439.10	\$0.00
SCIENCE COMPLEX PROJECT	\$57,788,454.00		\$5,121,531.15
Funding Required for Fleming 4th Floor Build-out			\$4,053,637.00

Classroom and Business

- Design Start 8/1/2010
- Design Complete 1/2011
- Construction Start 1/2011
- Substantial Completion – Ph I February 2012
- Substantial Completion – Ph II August 2012
- Activation Spring 2012
- Occupancy - Ph I June 2012
- Occupancy - Ph II January 2013

Status/Issues:

- Meeting this afternoon to review plans for levels 3,4,5.
- Goal is for user sign-off and approval

Energy Research Park -Bldg #4

Funding Sources

<u>Phase</u>	<u>Scope</u>	<u>Completion</u>
I	Demolition/Roof complete	12/2010
II	Base building to standard	5/2011
III	Vending/Conference /Classroom	10/2011
IV	Research Space level two	12/2011

Selva Lab

- Design Start ?
- Design Complete ?
- Construction Start ?
- Substantial Completion ?

Status/Issues:

- Sixth program change received yesterday.
- Superconnectivity equipment is arriving May 5, 2011
 - Interim plans being developed to accommodate equipment
 - 6-9 months to plan, program, design, construct laboratory
 - Programming complete (30 hours)
 - Budget and Schedule are being developed
 - \$2.1m budget could grow to \$7.1m pending grant award
- Separate production to assist Selva to complete the grant application

Energy Research Bldg 1

- Design Start 4/2011
- Design Complete 9/2011
- Construction Start 9/2011
- Substantial Completion 4/2012

Status:

- No current issues

Hilton Hotel

- Water Closets
- Some toilets are not stable
- Investigative issues on going.

- Life Safety

- Meeting scheduled first week of May to review scope, budget and schedule
- Fire Marshal is inquiring as to the status

- Outstanding issues

- Garage Slab
- Parking Garage issues
- Roof concerns

Hilton Hotel

LIFE-SAFETY UPGRADES PROJECT SUMMARY

The project scope of the Conrad Hilton School of Restaurant and Hotel Management life-safety upgrades is summarized as follows:

- Replacement of the existing fire pump.
 - The scope above requires modification to the fire alarm system.
 - The scope requires increasing the sizes of the discharge and suction pipes from the existing water storage tank to the new fire pump.
 - Inspection of water storage tank for wall integrity (code requirement).
- Installation of fire suppression sprinkler systems on the first continued education wing and on the second floor faculty and administrative office for the Hilton School of Hotel Management.
 - The scope above requires asbestos removal and modification to the existing ceilings and wall penetrations.
- Installation of emergency lights on the south wing.
- Upgrade of the electrical system by separating the feeders for the fire pump and other emergency equipment (lights, elevators, etc.) from standby equipment (cooler, sump pumps, etc.) either by providing isolation from the rest of the switch board or installing a new feeder directly for the fire pump and emergency equipment.

Jack J. Valenti School of Communications

- Design Start 1/1/2010
- Design Complete 7/6/2010
- Construction Start 1/17/2010
- Substantial Completion 4/29/2011
- Activation 5/2011
- Occupancy 6/12011

Status/Issues:

- \$80k remaining in contingency
- Developing Landscaping Concept for Courtyard – \$5k from contingency.
- Contractor requesting addition durations due to lobby and case work additions.

Blaffer Gallery

- Design Start January 2011
- Design Complete July 2011
- Construction Start August 2011
- Substantial Completion January 2012
- Occupancy Spring 2012

Status:

- Schematic Design has been revised and is being priced
- Project team confirming revised scope is within budget prior to moving to design development.

Auxiliaries

UNIVERSITY of **HOUSTON**

PLANT OPERATIONS

Facilities Planning & Construction Department

Stadium Garage

- Procurement Fall 2010
- Design Complete April 2011
- Construction Start July 2011
- Construction Complete May 2012

Issues/Status:

- NTP for construction being issued

Cougar Village II

- Program Development 4/2011 – 5/2011
- Procurement 4/2011 – 6/2011
- Project Management 6/2011 – 6/2013
- Substantial Completion 6/2013 or sooner

Issues:

- Audit issues with Hardin impacts release of construction plans and specifications

Cougar Place Replacement

- Program Development 4/2011 – 5/2011
- Procurement 4/2011 – 6/2011
- Project Management 6/2011 – 6/2013
- Substantial Completion 6/2013 or sooner

Issues:

- Developing programming meeting with Emily Mesa and other representatives to confirm, scope and program of project.
- Parking ?
- Utilities – Chilled Water ?

UHV – Sophomore Housing

- Program Development 4/2011 – 5/2011
- Procurement 4/2011 – 6/2011
- Project Management 6/2011 – 6/2013
- Substantial Completion 6/2013 or sooner

Issues:

- Program development in progress through Dave Irvin's office
- Parking ?
- Size ?
- Kitchens ?

West Side Dinning Facility

- Design Start 6/2011
- Design Complete 12/2011
- Construction Start 12/2011
- Substantial Completion 7/2012
- Occupancy 8/2012

Issues/Status:

- N/A

Quads and Moody Upgrades

- Design Start February 2011
- Design Complete May 2011
- Construction Start May 2011
- Substantial Completion August 2011
- Occupancy August 2011

Accomplishments

- Furniture orders being processed

30 – day look ahead

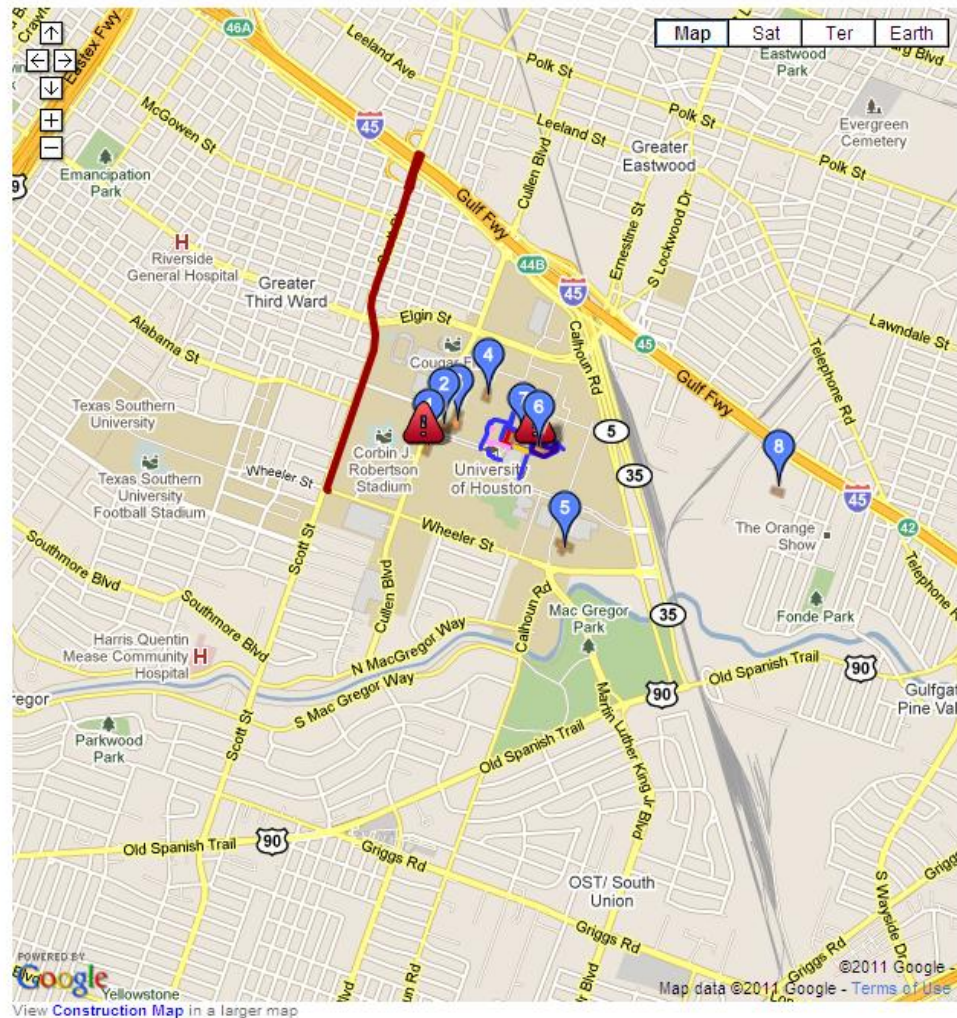
- Development of Competitive Sealed Proposals
- Logistical plans – phasing to be developed
 - “bite off only what we can chew”!

Administrative Back up UHBOR Items THECB Items Communication

UHBOR & THECB Approvals

Campus	PROJECT NAME	Planning Budget	BOR Facilities Committee (SCOPE)	BOR Finance Committee (FINANCING)	CB Committee Meeting	CB Full Board Meeting
NEW APPROVALS						
UH	West Dining Hall	\$9,300,000	February 15, 2011	May 18, 2011	June 21, 2011	July 28, 2011
UH	UC Phase 1 - Addition	\$44,200,000	August 10, 2010	August 11, 2010	TBD	TBD
UH	UC Phase 2 - Renovation	\$36,000,000	TBD	TBD	TBD	TBD
UH	Cougar Village Phase 2	\$50,000,000	May 17, 2011	May 18, 2011	June 21, 2011	July 28, 2011
UHV	Sophomore Housing	\$120,000,000	May 17, 2011	August 17, 2011	September 20, 2011	October 27, 2011
UH	Cougar Place Housing Replacement	\$38,000,000	May 17, 2011	August 17, 2011	September 20, 2011	October 27, 2011
REAPPROVALS						
UHCL	UHCL Recladding Project	TBD	TBD	TBD	TBD	TBD
UH	Science Complex Renovation	\$57,600,000	TBD	TBD	TBD	TBD
UH	Renovation of the Hilton Hotel	\$13,611,000	TBD	TBD	TBD	TBD
UH	ERP - for UH	\$20,000,000	TBD	TBD	TBD	TBD
UH	Health and Biomed Phase 2	\$70,000,000	TBD	TBD	TBD	TBD

Campus Construction News and Notices



Projects in Planning and Programming

Pharmacy Building Space Program

- Program questionnaires completed 11/1/2010
- Interviews with Dept Heads 11/12/2010
- FPC Program Draft 11/26/2010
- Final Program Completed 2/2011

Issues:

- Program has been reduced to the approved 132,000sf
- FPC planning will schedule meeting with Provost office to review

Back-Up

Fleming Physics Labs

- Design Start 6/21/10
- Design Complete 8/12/10
- Construction Start 10/8/10
- Substantial Completion 12/13/10
- Commissioning/Activation 12/20/10
- Occupancy 1/3/2011

Issues:

- None at this time

UHV – Jaguar Hall

- \$101,000 budget disparity between UHV and FPC System.
- Final Completion notification from contractor has not been achieved.
- General Contractor to notify architectural firm and UH-DPS of a request for a final inspection

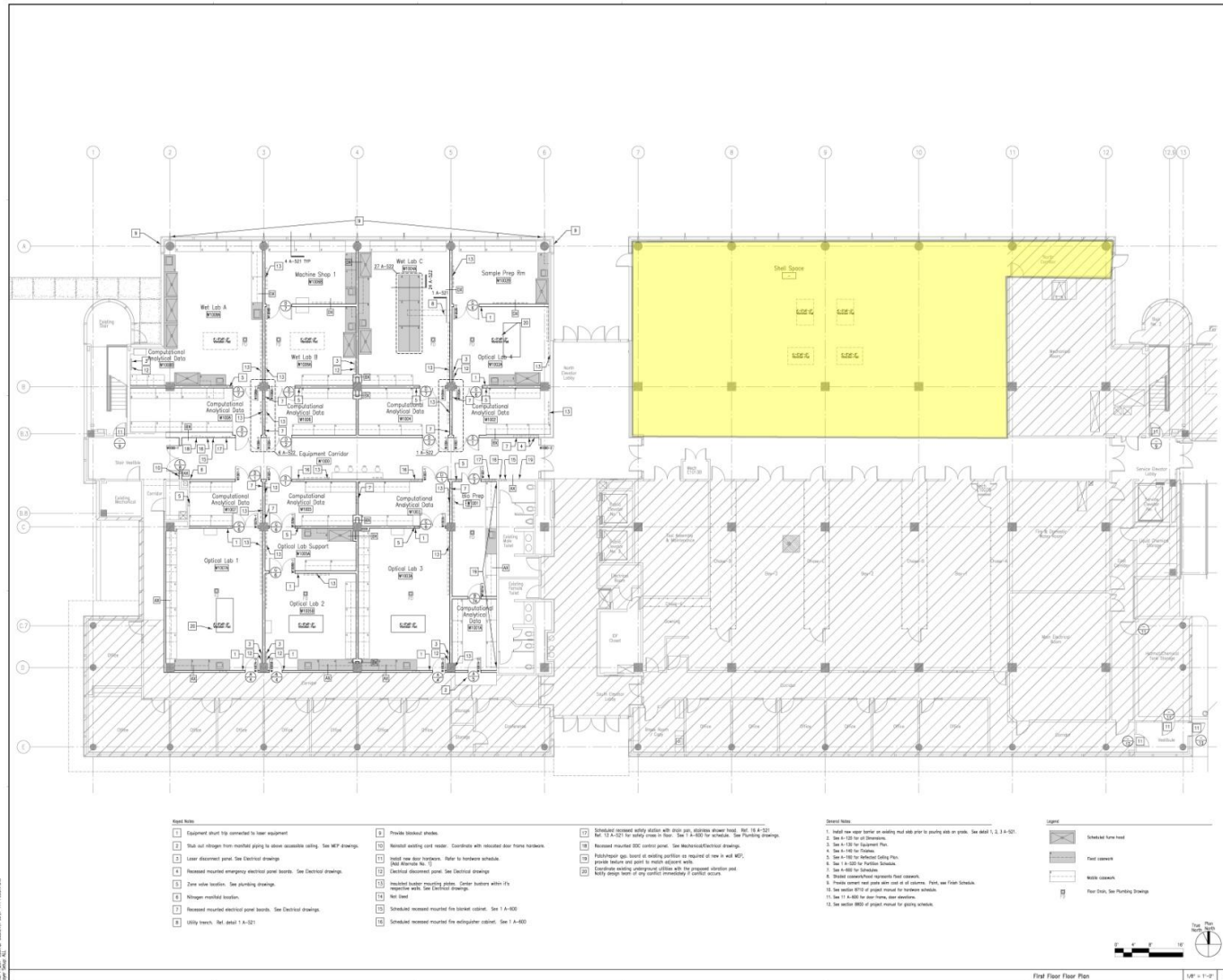
UHV – Sophomore Housing

- RFQ scheduled to be released on Monday March 14, 2011
- Significant site restrictions with relation to parking requirements and siting of the structure

UHV – New Housing

- RFQ in process to be released on Monday
- Addendum issue pending any changes by General Counsel
- Site restrictions and program confirmation to be completed prior to release of RFP

SERC 01 – First Floor Plan



P&W
Architects,LLP
11275 S. Sam Houston Parkway W.
Suite 200
Houston, Texas 77031
(832) 554-1130 www.pwarch.com

Record Document
Not for regulatory approval, permit, or construction.
By: Shawn C. Schuler
Title: Architect
Date: 05/09/11

Contract:
MEP Engineer:
EAC Engineers & Consultants, Inc.
1818 Lamar, Suite 500
Houston, Texas 77002
Tel: (713) 590-6600
Fax: (713) 590-6888
Structural Engineer:
Waller P. Moore
1331 McKinney, Suite 100
Houston, Texas 77010
Tel: (713) 662-7500
Fax: (713) 662-7344

No.	Date	Description
1	04/14/08	Issue for Construction

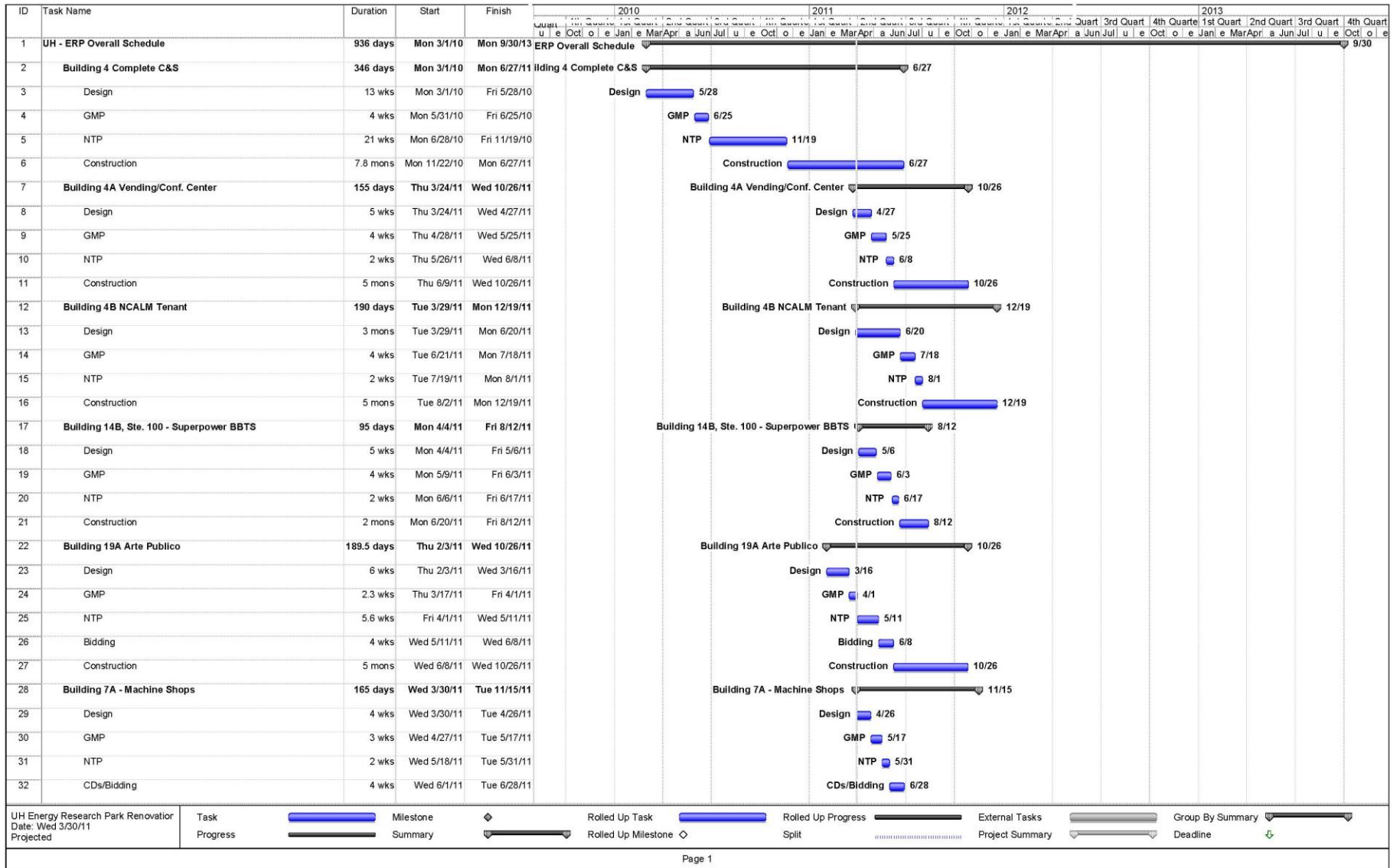


UH SERC
First Floor West Buildout
Nano Tech Ctr/Optical Labs/
Device Construction

Sheet Name:
First Floor Plan

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P&W Construction Number: 207-022R Sheet Number: A-102

UH ERP Projected Master Schedule



UH ERP Projected Master Schedule

ID	Task Name	Duration	Start	Finish	2010				2011				2012				2013			
					1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
33	Construction	5 mons	Wed 6/29/11	Tue 11/15/11																
34	Building 15 - Dr. Selva Lab MOCVD (\$1.25MM Project)	150 days	Tue 4/5/11	Mon 10/31/11																
35	Assessment	2 wks	Tue 4/5/11	Mon 4/18/11																
36	Design	4 wks	Tue 4/19/11	Mon 5/16/11																
37	GMP	2 wks	Tue 5/17/11	Mon 5/30/11																
38	NTP	2 wks	Tue 5/31/11	Mon 6/13/11																
39	Construction	5 mons	Tue 6/14/11	Mon 10/31/11																
40	Building 15 - Dr. Selva Lab (Grant Project)	500 days	Tue 11/1/11	Mon 9/30/13																
41	Assessment	6 wks	Tue 11/1/11	Mon 12/12/11																
42	Design	8 mons	Tue 12/13/11	Mon 7/23/12																
43	GMP	4 wks	Tue 7/24/12	Mon 8/20/12																
44	NTP	2 wks	Tue 8/21/12	Mon 9/3/12																
45	Construction	14 mons	Tue 9/4/12	Mon 9/30/13																
46	Building 1B	264.2 days	Mon 4/18/11	Fri 4/20/12																
47	Design	5 mons	Mon 4/18/11	Fri 9/2/11																
48	GMP	4 wks	Mon 9/5/11	Fri 9/30/11																
49	NTP	2 wks	Mon 10/3/11	Fri 10/14/11																
50	Construction	6.71 mons	Mon 10/17/11	Fri 4/20/12																

UH Energy Research Park Renovator
Date: Wed 3/30/11
Projected

Task		Milestone		Rolled Up Task		Rolled Up Progress		External Tasks		Group By Summary	
Progress		Summary		Rolled Up Milestone		Split		Project Summary		Deadline	

Construction Projects – Campus Map

Campus Construction News and Notices

