

Department of Recreation, Parks, and Cultural Activities  
Department of General Services  
City of Alexandria, Virginia



# Chinquapin Park Recreation Center HVAC Renovations and Upgrades 2013

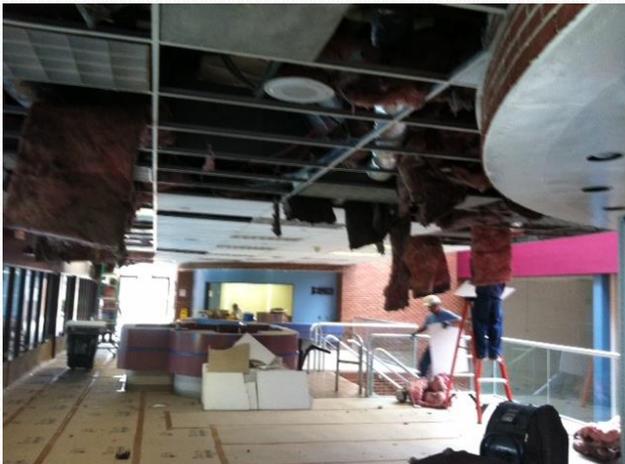
## CONSTRUCTION PROGRESS PHOTO JOURNAL

June 17, 2013

## Demo Work Begins:



Security fence installed



Ceiling removal begins

HVAC Contractor:



**Harvey W. Hottel, Inc.**  
18900 Woodfield Road  
Gaithersburg, Maryland 20879  
(301) 921-9599 PH • (301) 948-1892 FAX

June 17<sup>th</sup> through 26<sup>th</sup>

## Demo Work Continues:



Removal of old equipment



Preparing mechanical room



Ceiling demo continues



Dumpster in place

June 27<sup>th</sup> through July 12<sup>th</sup>

## Demo Work Continues:



Demolition debris



Admin. offices ceiling demo



Demo material at dumpster



Mechanical room cleared

July 13th through July 23rd

## Demo Work Continues:



Demo nearing completion



Removal of wall in conflict with new construction



Ready to receive new ductwork



Locker room ceiling demo

July 13th through July 23rd

## New Construction Work:



Pouring new concrete pads for new equipment



New ductwork installation begins



New pipe-work installation begins



Preparing ducts for installation

July 24<sup>th</sup> through August 2<sup>nd</sup>

## New Construction Work:



Locations of new RTU-1 and RTU-2, ductwork and piping



New copper piping and duct work to lower level



Duct work and piping at the Mezzanine level



Duct installation at Programming and Admin areas

July 24<sup>th</sup> through August 2<sup>nd</sup>

## New Construction Work:



Locations of new RTU-1 and RTU-2, ductwork and piping



Duct and piping at locker rooms



Mechanical room: New equipment Pad/layout boilers



Piping and duct at Mezzanine level continuing.

August 3<sup>rd</sup> through August 9<sup>nd</sup>

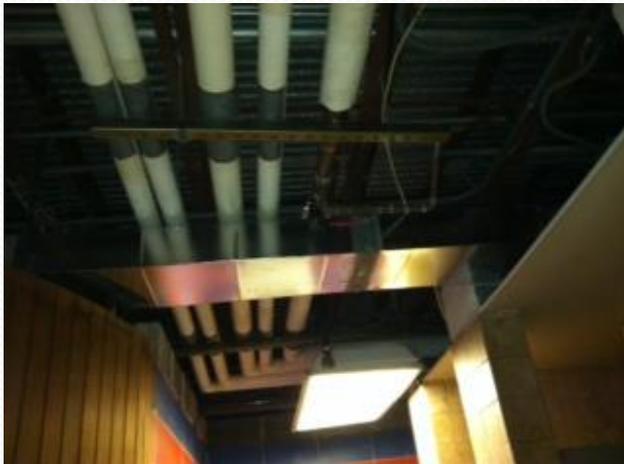
## New Construction Work:



Swimming Pool is maintained throughout construction.



Programming Suite new piping ductwork installed.



New pipe and ductwork over Locker Rooms.



Typical floor protection throughout building.

August 3<sup>rd</sup> through August 9<sup>nd</sup>

## New Construction Work:



Demolition and removal of existing lockers.



Mechanical Room new piping installed.



Temporary toilets installed near Tennis Courts.



New ceiling work in mezzanine area corridor.

August 3<sup>rd</sup> through August 9<sup>nd</sup>

## New Construction Work:



Intricacies of electrical and mechanical work.



Exposed structural system for complete mechanical change out.



Work up-close on piping between major ducts.



Handling and preparation of cylindrical metal ductwork.

August 3<sup>rd</sup> through August 9<sup>nd</sup>

## New Construction Work:



Stock of mechanical appurtenances ready for installation.



Ductwork installation continues in Ladies' Locker-room.



New piping in Gentlemen's Locker-room.



Demolition and removal in Locker-rooms.

August 10<sup>rd</sup> through August 23<sup>nd</sup>

## New Construction Work:



Removal of existing damaged solar screening.



Relocate hand dryer in Men's Room.



Relocate hand dryers in Women's Room.



Hair-dryers in conflict with new Mech. Closet to be relocated.

August 10<sup>th</sup> through August 23<sup>rd</sup>

## New Construction Work:



Demo and removal completed in Ladies Locker Room.



Demo and removal completed in Gentlemen's Locker Room.



Gentlemen's Locker Room to receive new lockers.



Over-head in the Mechanical Room.

August 10<sup>rd</sup> through August 23<sup>nd</sup>

## New Construction Work:



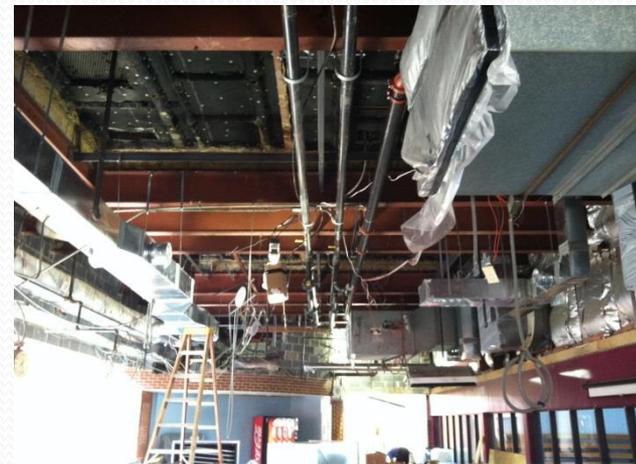
Equipment upgrade in Mechanical Room.



New pump pad installed ready for new equipment.



New pumps ready for installation.



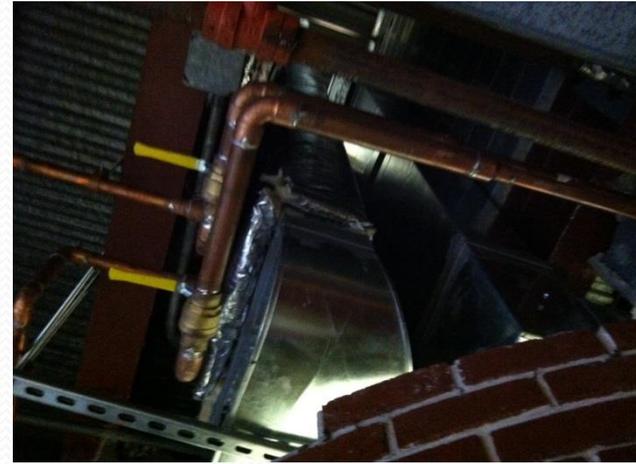
Over-head in Mezzanine area.

August 10<sup>rd</sup> through August 23<sup>nd</sup>

## New Construction Work:



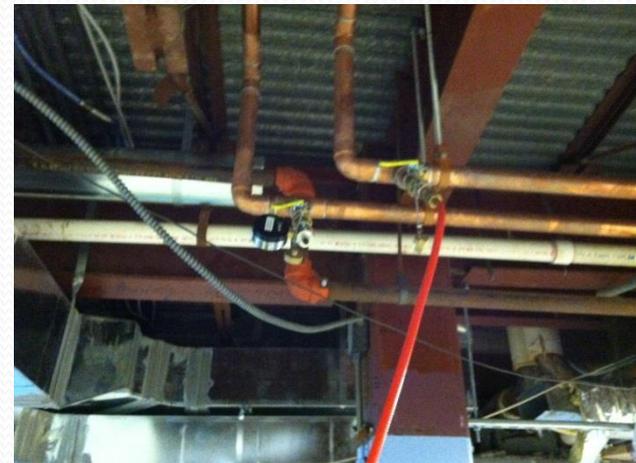
Equipment upgrade in Mechanical Room.



Duct through shaft to roof above Locker Room.



New ductwork above Gentlemen's Locker Room.



Testing new pipes.

August 10<sup>rd</sup> through August 23<sup>nd</sup>

## New Construction Work:



New pumps installed on new pads in Mechanical Room.



Insulated ductwork installed.



Installing new damper in duct.



New duct installed in shaft.

August 23<sup>rd</sup> through September 11<sup>th</sup>

## New Construction Work:



Open area at Mezzanine: new VAVs, duct, and piping.



New pumps in mechanical room over new concrete pads.



Pipe cutting.



Portable electrical generator providing temporary power.

August 23<sup>rd</sup> through September 11<sup>th</sup>

## New Construction Work:



Demolition and removal of existing electrical panels.



Dominion Power disconnects service for electrical upgrades.



Work above ceiling in Programming Room.



VAVs installed in open Mezzanine area.

August 23<sup>rd</sup> through September 11<sup>th</sup>

## New Construction Work:



New electrical switchgear system.



New Aaon air-handlers to serve locker rooms (one of two).



Removal of existing natatorium units and RTU #3.



Electrical connections in progress.

August 23<sup>rd</sup> through September 11<sup>th</sup>

## New Construction Work:



Insulating ductwork to Administration Office.



Refrigeration lines installation and new ductwork at Locker Rm.



Fan coil refrigerant lines and pipe insulation work.



Connecting new pumps to new boilers.

August 23<sup>rd</sup> through September 11<sup>th</sup>

## New Construction Work:



Insulating new ERUs and RTU #3 curbs.



New power service.



Skylight-screens ready to be removed.



Removal of natatorium units and RTU#3.

September 12<sup>th</sup> through October 4<sup>th</sup>

## New Construction Work:



All new roof curbs completed;  
roof work prep completed.



Ladies locker room mechanical  
equipment in place.



Mezzanine area pipe and  
insulated duct installation.



Locker room new roof top  
equipment in place.

September 12<sup>th</sup> through October 4<sup>th</sup>

## New Construction Work:



Siemens company's systems control technician on site.



2 x 2 acoustical ceiling installation in progress at admin. area.



Ceiling grid system completed in admin area.



Ceiling tiles delivered and stored on site.

September 12<sup>th</sup> through October 4<sup>th</sup>

## New Construction Work:



Duct to underside of natatorium ERUs.



Large ducts in place with piping, control wiring and power installation.



Locker room rooftop unit in place with piping.



RTU#3 rooftop curb in place.

September 12<sup>th</sup> through October 4<sup>th</sup>

## New Construction Work:



Gentlemen's locker room unit.



Pipe-fitting in progress.



Piping to ERUs in progress.



Mechanical room work nearing completion.

September 12<sup>th</sup> through October 4<sup>th</sup>

## New Construction Work:



Moving back into Admin; #1



Moving back into Prog. Suite.



Moving back into Admin; #2



Pool mechanical room: Remove existing sand filter tanks.

September 12<sup>th</sup> through October 4<sup>th</sup>

## New Construction Work:



Restoring manager's office.



Roof top unit connected.



New rooftop unit RTU#3 in-place; connections in progress.



New 2x2 acoustical ceiling tiles in-place at lower level corridor.

September 12<sup>th</sup> through October 4<sup>th</sup>

## New Construction Work:



New boilers in place.



Boiler pipe-work completed.



Wall patching prior to new paint finish.

October 4<sup>th</sup> through October 18<sup>th</sup>

## New Construction Work:



New filter tank in place and connected to system.



New filter tank for swimming pool mechanical room.



Swimming pool re-caulked, refilled, and ready for use.



Cleaning and preparation of Infants Soft Play Room.

October 4<sup>th</sup> through October 18<sup>th</sup>

## New Construction Work:



Testing of new boilers.



Typical testing at Locker Rooms' new air-handlers.



Humidity resistant ceiling tiles at Locker Rooms.



Repairing pool mechanical room ceiling; adding new exhaust unit.

October 4<sup>th</sup> through October 18<sup>th</sup>

## New Construction Work:



Completing work in Pool Staff Office.



New pumps in-place and functional.



Completing work in Ladies' Locker Room (includes refinishing of sauna exterior).

October 4<sup>th</sup> through October 18<sup>th</sup>

## New Construction Work:



Contractor's crew putting in final touches.



Preparing for installation of exterior louvers.



New 2x2 ceiling tiles in Mezzanine Area.

Preparing to Reopen, October 19<sup>th</sup> to November 2<sup>nd</sup>

## Work Completion:



Swimming Pool, ready for swimmers.



Preparing Soft Play room.



New filter-tank for swimming pool.



Installation of new lockers.

Preparing to Reopen, October 19<sup>th</sup> to November 2<sup>nd</sup>

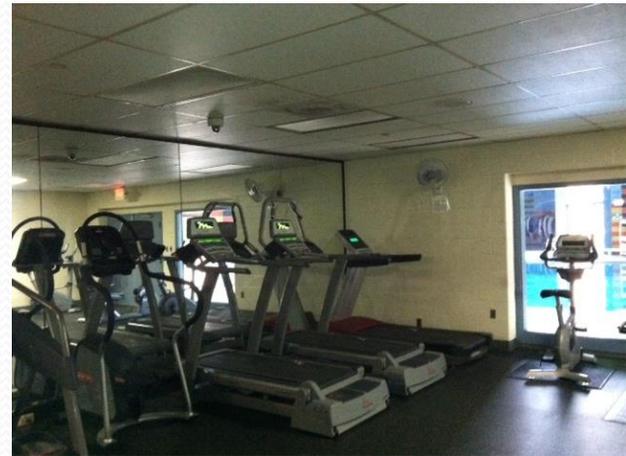
## Work Completion:



New solar film over skylights.



Close up of new video camera.



Video surveillance cameras in fitness room.



New storefront at pool staff office and pool-side lockers entrances.

Preparing to Reopen, October 19<sup>th</sup> to November 2<sup>nd</sup>

## Work Completion:



New ceiling system and paint finish at mezzanine.



New sign on King Street.



New storefront at main entrance.



New finish at sauna exterior.

Preparing to Reopen, October 19<sup>th</sup> to November 2<sup>nd</sup>

## Work Completion:



New heating, ventilation, and air-conditioning system



Soft Play up and ready for use.

November 2<sup>nd</sup>

## Grand Reopening:



Celebrating Chinquapin's reopening.



Kayakers having fun in the pool.



Patrons and their guests enjoying the water.



Soft play room up and in use.

**Welcome Back!**

# Chinquapin Park

## Recreation Center and Aquatics Facility

### Renovations & Upgrades

New HVAC (Heating, Ventilation, and Air-conditioning) Work:

- Replacement and upgrade of major mechanical systems and components.
- Air quality enhancement and increased comfort levels.
- New HVAC controls system with remote access via secure internet.

New Architectural Work:

- Replacement and upgrade for main entrance storefront system (includes ADA - mobility impaired ) access.
- Replacement and upgrade for pool staff office and locker rooms entrance systems.
- Locker rooms upgrade: new lockers, new ceilings, and new paint finish.
- Mezzanine and lower corridor areas upgraded with new ceilings and paint finish.
- Existing skylight panel screens removed and replaced with solar film.

New Additional Work:

- New pool sand-filter tank for improved swimming pool water quality.
- New electronic bulletin board to promote RPCA programs, events, and messages to the public.
- In partnership with the Chinquapin Advisory Council, new video surveillance for improved patron safety in the fitness room.



RECREATION, PARKS & CULTURAL ACTIVITIES  
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# Project Costs and Scope of Work:

Chinquapin Recreation Center's HVAC Renovations and Upgrades is actually two projects within one!

- I. HVAC Work: This concerns replacement of major mechanical components, equipment, ductwork, piping, and roof top units with new. The new system will increase patron comfort throughout the center. Additionally, completed work will allow remote control system access for immediate adjustment of settings.
  
- II. Architectural Work: This concerns replacement and improvement of various architectural systems. New work includes installation of new storefront for the pool office, new south entrance, storefront system for compliance with Americans with Disabilities Act (ADA), new vented all-metal lockers at men's and women's locker rooms, and other miscellaneous improvements such as new ceilings, new paint finish, and new signage.

Total HVAC Work .....	\$1.5 million dollars
Total Architectural Work .....	\$465 thousand dollars
Project Budget.....	\$2.0 million dollars.



**On behalf of the Directors and staff of RPCA and DGS,  
City of Alexandria:**

**Welcome Back!**



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