



It seems no matter where you look around the medical center, there are improvements and progress. Our local "Big Dig" is starting to look very different. The mass

excavation bank-shoring and caissons are complete. Foundations and basement walls are currently being poured. Drain tile will then be laid around the foundation which will then be back filled.

The loading dock on the east side of the building is enclosed and bricked. It will be complete and occupied in July. Baxter Street will then reopen.

As Charles Street opened, the new Grand Boulevard entrance also opened. We very much appreciate the cooperation of the City in getting the temporary traffic light on Charles and North Streets operational as soon as Charles opened. Three permanent traffic signals at Market and Charles, Charles and North, and North and Baxter will be operational in early July.

Extensive work is going on in the area that will become the Plaza in front of the building. The half mile walking/ jogging path which loops from Collett and Market to the Medical Office Buildings is nearly complete. Landscaping is ongoing and construction of the new parking lots on Market and Charles is underway.

As you receive this newsletter I will be returning from vacation. I anticipate the site looking substantially different than when I left.

As always thanks for your cooperation, kind words and fine suggestions.

## NEW LOTS ADD MORE SLOTS



*Campus Police Chief Jeff Ramey reviews parking lot progress with Mac Dunn, McCarthy Project Superintendent, Mechanical, Electrical and Plumbing.*

New parking lots are underway as the work continues on the Medical Center of the Future. One lot near the corner of Market and Charles will be accessible from Market Street.

The second new lot will be adjacent

and accessible from the Grand Boulevard entrance (formerly High Street).

Most weekdays there are 28 to 35 crew members working on the lots. That includes infrastructure work,

*Continued...*



## In the Spotlight

*When Amy McCune received her Bachelors Degree in Accounting from Bluffton College, she knew she would pursue a career that made use of her accounting and organizational skills. What she didn't know, was that although she enjoyed the very busy tax season, she really wanted to be that busy all the time.*



*After several years working with local accounting firms, and as an in-house accountant for a local company, Amy found her "always busy" job.*

*In August 2004, Amy started as the project secretary for McCarthy Building Companies for the Medical Center of the Future project. She has since been promoted to office manager and has gotten her wish of being busy all the time.*

*"It's a case of be careful what you wish for," Amy joked. "This place does keep you busy all the time, but I love the fast pace. In the beginning I had many questions since this was my first job relating to construction. The McCarthy crew is always patient and helpful. They really are nice people to work with and that includes the home office in St. Louis."*

*Although she still uses some of her accounting skills, her organizational skills are what are called for most often. Keeping track of all the construction project engineers, superintendents, and Project Director, Todd Freed, is no small feat.*

*Amy keeps busy at home with her husband Ed and daughter Falon, who just turned 4. She also has 23 year old son Levi.*

## NEW LOTS ADD MORE SLOTS

*(continued)*

water and power lines in addition to the grading and asphalt work. The lots will be lighted as they are completed which is scheduled for late summer. A total of nearly 250 new parking spaces will be added.

"The biggest challenge in building parking lots and making site improvements for the new Medical Center of the Future is simply keeping the other lots available for the public and employees," said Mac Dunn, McCarthy, Mechanical, Electrical and Plumbing Superintendent, "that and finding places for the soon to be 300+ construction workers to park."

Campus Police Chief, Jeff Ramey agrees that the parking situation, while improving, is definitely challenging.

"Prior to the construction of the newest lots, we have about 3300 parking spaces on campus and that includes the parking garage. Campus parking is an issue, but overall I think our employees and visitors have been very cooperative and understanding. The McCarthy people work very closely

with us so we can make these transitions as painless as possible. We are also very involved in seeing that safety and security measures are always at the forefront, both during construction and after lots are finished."

"We have also been blessed with the weather," said Dunn. "Last winter we set a record, in our minds anyway, for the latest date asphalt had been successfully applied in the area.

Although weather is out of our control, it sure helps when Mother Nature is in the same cooperative mode as our construction crews, St. Rita's people and all the others involved in making this such a successful project."

By the time you get this newsletter, the construction parking lot on the corner of High and Metcalf will be in use and the new Baxter Street entrance to the Medical Office Building lots will be open. The traffic light installed at the entrance will be operational in early July.

# INFECTION CONTROL HELPS EVERYONE BREATHE A LITTLE EASIER DURING CONSTRUCTION

Infection Control may not be an area you normally associate with construction, but St. Rita's Infection Control Department is indeed involved with the Medical Center of the Future project.

"We complete an Infection Control Risk Assessment (ICRA) prior to construction projects," said Carolyn Wieging, St. Rita's Infection Control Manager. "This helps us to determine if it is necessary to build barriers or temporary walls to contain dust and air contaminants and if negative air pressure will be needed in the work area. We develop a plan with the construction team to assure that proper barriers are set and that the correct air balance is in place before the actual demolition, renovation or construction work begins. This helps protect our patients, visitors, employees and construction workers from possible air contaminants the construction may stir up. Once the risk assessment is complete, Infection Control issues a permit for the work to begin."

When negative air in a construction area is necessary, air pressure is monitored and logged daily. Preset national standards determine the amount of negative air pressure that is needed. Members of

the Infection Control Department do routine rounds with the construction Project Manager to assure the ICRA standards are being met and to identify and address any new issues that may have developed.



*Lee Martz checks negative air pressure with Todd Wigginton, McCarthy Project Superintendent.*

"Of course, we are more involved in some areas than others," said Lee Martz, RN. "Central Supply, the new Surgery Suites, ICU... really all patient care areas need significant barriers and protection. We are involved in every construction or renovation

project to one degree or another. Monitoring is continual and we are there from start to finish. It is amazing to see the progress that is made from week to week. It's also very impressive seeing all the contractors work together. Their cooperation has been terrific."

"It's great to be taking part in the Medical Center of the Future expansion and to know that we are helping to make sure that our patients, staff and visitors are safe during such an extensive project," said Wieging.

**St. Rita's Construction**  
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# Q&A

## Question and Answer

### *Q: What is "Bank Shoring"?*

**A:** Bank shoring is similar to a retaining wall with the purpose of holding back the dirt. Holes are drilled deep into the ground and then H-piles are lowered into the holes and backfilled with a light concrete. As the site is excavated, boards are inserted between the H-piles creating a wall to hold the dirt in place. This has been done around the A-B tower as well as Medical Office Building II. This keeps the dirt secure under the existing foundations which keeps the buildings from shifting.



### *Q: What are "Tie Backs"?*

**A:** Tie Backs are basically anchors that hold the bank-shoring in place. They are long metal rods or cables that are inserted diagonally through the bank shoring and underneath the existing building foundations 30 - 40 feet deep. A grout or concrete mixture is then pumped into the cavity to secure the cables in the soil. These cables are then welded to the metal structure of the bank-shoring to hold it upright. When the site is ready to be back-filled, everything is cut off 5 feet below grade and left in place forever.



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## Did You Know?

**...that we are replacing a total of 5 generators...two of them are 35 years old and the other three are over 60 years old. All five generators are being replaced by 2 extremely large units that will be located on top of the new loading dock and will supply our entire campus, including the new patient tower. These diesel generators, made by Caterpillar, weigh over 33,000 lbs. each, and can each produce 2 billion watts. At full capacity they would use 270 gallons of fuel per hour... now those are big generators!**



*Crane places 33,000 pound generator on the roof of the new loading dock.*

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