

Thanks to Proposition P, a four-tenths of a cent sales tax for parks and stormwater passed by voters in 2012, the City of St. Peters is making many critical improvements to our stormwater management system. To date, we've completed 12 of 16 Proposition P stormwater projects at a cost of \$9.4 million. These projects reconstructed 23 stormwater basins and 10 stream segments impacting 21 subdivisions. The projects are located at: McClay Valley, Henry Street Sewer, Homestead Estates, Pegasus Farm, Willott Square, Englewood, Country Creek, Canyon Creek, Country Lake, Turnberry Bluff/Turnberry Gardens, St. Peters Villas, Country Crossing/Country Crossing Estates, Ohmes Farm, Crescent Hills/Springwood, Applewood, Enwood and Highlands.

Looking ahead, the City has identified the next dozen Prop P stormwater projects valued at more than \$10 million to be completed in the next two years, and nearly \$20 million in projects over the next five years.

Prop P improvements address neighborhood flooding issues and stream bank erosion, and use green infrastructure to improve water quality and create a more sustainable, natural environment in the project areas.

The \$1.3 million Prop P creek restoration effort at Englewood is transforming a number of Dardenne Creek tributaries east of Salt Lick Road, including a stream that cuts through St. Peters Golf Course.

Stream channels in the project, called P-7, parallel Salt Lick Road, extend through the Englewood subdivision in the tributaries that parallel Gateswood Court, Countrywood Drive and Inverness Court, and continue through Dardenne Park and St. Peters Golf Course, where the tributary connects with Dardenne Creek.

Fast-moving stormwater eroded the stream channel over the years, cutting the creek bed and banks deeper and deeper so that the banks



Prop P work on a stream at St. Peters Golf Course

have a steep slope. Invasive plants (honeysuckle) have taken hold along the streams, deterring the growth of native plants and causing more erosion. Native plants are important to stream health—they grow their roots deep along the bank, keeping soil in place while filtering pollutants like fertilizer, household chemicals and pet waste that get washed from our neighborhoods.

The goal with P-7, as it is with all Prop P stormwater projects in St. Peters, is to filter out pollutants with native plantings while slowing down stormwater, spreading it out and letting

the water soak into the ground as much as possible. In St. Peters, we have 47 miles of natural streams running through neighborhoods and parks. Many of these streams are in poor condition due to erosion, much like the Englewood stream channel that's being restored.

The contractor for the P-7 project, Ideal Landscape Group, is following a design by George Butler Associates that includes building a number of rock and wood structures in the stream in order to slow down the flow of stormwater to reduce erosion along the stream. Instead of keeping all of the stormwater within the creek's banks, the project will slow the flow of stormwater through the channel and spread it out so that it comes out of stream banks and into floodplain areas. Some areas of the creek have been widened to provide more capacity to handle a heavy flow from strong storms.

While the entire Prop P project is scheduled for completion in late 2015, major construction at St. Peters Golf Course should be done in March. The P-7 stream channel project cuts across almost half of the course's fairways (from west to east, 11, 10, 13, 14, 16, 15, 6 and 4) before reaching Dardenne Creek. Hole No. 4, nearest to the Dardenne, has changed most dramatically due to the project. Before P-7, two

continued on next page

Expect Plenty of Road Projects in 2015

The wheels are in motion on a number of road construction projects in St. Peters this year, from a new Executive Centre Loop Road project to bridge replacements to a variety of surface improvements on busy streets.

The \$1.88 million **Executive Centre Loop Road** project underway will improve access to the I-70 outer roads (Veterans Memorial Parkway and the I-70 North Outer Road) as well as to commercial areas and Barnes-Jewish St. Peters Hospital. A new connecting road and two roundabouts (traffic circles) give Executive Centre Parkway a connection with Veterans Memorial Parkway south of I-70 as well as roads in the Barnes-Jewish St. Peters Hospital campus.

On **Burning Leaf Drive** near Jungermann Road, a new bridge has been built over Spencer Creek, replacing a box culvert with a larger drainage structure. The \$334,612 project also will improve road safety as well as bike and pedestrian access.

Willott Road is set to undergo major repairs to its concrete surfaces as well as a bridge replacement this year. A project estimated at \$1.8 million will replace an existing three-lane bridge over Spencer Creek and widen Willott between Jungermann Road and Del-Ray Drive.

Major road surface repair projects are also planned for portions of

Willott (between Jungermann and Mid Rivers Mall Drive, \$1.9 million project), **Mid Rivers Mall Drive** (between Mexico Road and St. Peters-Howell Road, \$1.85 million), **Salt Lick Road** (between Mexico and Veterans Memorial Parkway, \$1.25 million), and **Mexico** (between Belleau Creek Road and West Sunny Hill Boulevard, \$1.6 million). Traffic signals also will be replaced at the intersection of **Suemandy Drive** and the Mid Rivers Plaza entrance on the west side of Mid Rivers Mall (\$210,000 estimate).

Improvements on Willott, Mid Rivers Mall Drive, Salt Lick and Mexico are partially funded through St. Charles County Road Board and Federal Surface Transportation Improvement reimbursement grants administered by the East-West Gateway Council of Governments and Missouri Department of Transportation (MoDOT).

To learn more about St. Peters' road construction projects, go online to www.stpetersmo.net and choose "Streets" from the "Departments" pull-down menu.



Burning Leaf bridge replacement

NEW! St. Peters Golf Course Offers a PREFERRED PASS

FREE Play on First Day! Great Deal for Frequent Customers!



For only \$50, you can get a Preferred Pass that pays the more you play at St. Peters Golf Course.

In fact, the first day of your pass, you play for FREE—a savings that can almost pay for the pass itself!

Here are the benefits of a Preferred Pass*:

- First greens fee & cart fee are COMPLIMENTARY the day you purchase your pass—a value of up to \$46!
- \$5 off 18-hole greens fee OR \$2.50 off 9-hole greens fee EVERY TIME you play.
- Discount valid with senior and junior rates.

The Preferred Pass is valid 1 year from the date of purchase. Learn more and download a Preferred Pass registration form online at www.stpetersmo.net/golf.

You can also choose to purchase a full membership at St. Peters Golf Course for unlimited access to open play times plus 25% off most merchandise at the Pro Shop.

**Discount does not apply to Twilight, Tournament or League rates.*

Golf Leagues Forming Now!

Register for Women's, Men's and Junior Leagues

The St. Peters Golf Course will begin its 2015 league season in April. Choose from the following leagues:

- **Ladies' Morning Golf League**, Wednesdays, April 1-Sept. 30. Tee times between 8-9 a.m.
- **Ladies' Evening Golf League**, Tuesdays, April 14-Aug. 25. Tee times between 5-5:30 p.m.
- **Men's Golf League**, Thursdays, April 16-Aug. 27. Tee times between 4-5:30 p.m.
- **Junior Golf Leagues**, Wednesdays, May 27-July 29 (10 weeks). Three levels: Cubs for ages 7-10, Tigers for ages 11-17, and Masters (experience required) for ages 11-17.

St. Peters Golf Course also offers Senior Scramble tournaments on a weekly basis, year-round, weather permitting. Learn more about these programs and download registration forms online at www.stpetersmo.net/golf.



St. Peters Golf Course offers an 18-hole course, memberships, leagues, tournament services, banquet facilities, a pro shop and more. Discounts on golf are available to St. Peters residents, Rec-Plex members, active and retired military members, seniors and youth. Learn more at www.stpetermo.net/golf, call 636-397-2227, or visit us at 200 Salt Lick Road, on the east side of Salt Lick, just south of I-70.

continued from previous page

underground pipes carried stormwater under the fairway at No. 4. Now, the pipes are gone, replaced with a newly constructed open creek. Similarly, underground pipes were replaced on Hole 10 near the approach to the green.

The P-7 project includes four new golf cart/pedestrian bridges built over the restored stream. The cart path on No. 4 was relocated to the right side of the fairway and crosses the creek at one of the new bridges. Around a few of these bridges, you can get a good view of some new rock structures called weirs that are designed to slow down stormwater flow. Weirs are built up out of the streambed to create a holding area for stormwater upstream. Excess stormwater flows over weirs and heads toward the Dardenne during heavier storms.

At the golf course, the weirs will create new water hazards. Dan Emrick, Superintendent of St. Peters Golf Course, says the new water hazards from P-7 should provide a fun and challenging new element to the golf course. The new open streams on No. 4 in particular will require some more strategy from golfers. City workers built new tee boxes on No. 4 to

help less advanced golfers navigate the open channel.

Native plantings, rock structures and changes to the creek bank will also improve the visual appeal of the creek—and, as a result, the visual appeal of the golf course.

Emrick also expects that the design of the stormwater project will help reduce the number of instances where water from the stream will cover golf cart paths and disrupt play. This does not mean that the project will stop stormwater from backing out of Dardenne Creek onto St. Peters Golf Course during flood events. P-7 does not address Dardenne Creek's impact on this stream channel.

"It's not going to eliminate flooding, but now that we have bridges, we could have some days where the (P-7) creek is completely full, but we will be able to play because we'll be able to drive carts over the bridge," Emrick says.

You can learn more about St. Peters' Prop P parks and stormwater projects online at www.stpetersmo.net. Click on the Proposition P button on the home page.