

**Greens Reconstruction Project**  
**Weekly Report #10**  
**June 10, 2020**

Project Overview

The complete Project Overview can be found on the SCOV website. Go to Members => Committees => Greens Reconstruction Project Committee. It is hoped that this overview will answer many of your questions.

Safety

We cannot stress enough the need for everyone to stay safe during construction. Please stay well clear of the areas under construction. While the contractor is working on only a few holes at a time on the course, we ask that golfers give the contractor the priority as they move equipment and materials.

The contractor has planned to work 6 days a week beginning at 6 AM each day. As a result of progress made to date, and the temperatures being higher than normal, the contractor may only be working 5 days a week. Saturday work will be determined as needed based on project requirements and construction efficiencies. Walkers and players should be cautious.

I have been asked questions about the flat drainpipe that is being installed under the greens. A sample of the "flat drainpipe" is available outside the proshop for viewing. For those not in residence, the following photos show the flat drainpipe. (Golf ball added for perspective) The photo on the right shows the small slits where excess water will pass into the flat drainpipe and ultimately flow away from the green. This will prevent the future buildup of salts from the reclaimed water used for irrigation.



The following photos show the putting green with the flat drainpipe installed and the sand installation 50% complete. You can also see the smoke from the fire in the Catalina Mountains. (More later)



The photo on the bottom right shows where the flat drainpipe comes together at the outfall drain location, the low point of the green. "Fittings" are used at this point to join the flat drainpipe to the round outfall drainpipe away from the green.

#### What has Happened

The project continues to be ahead of schedule. The greens project as measured by actual progress is 75% complete. (last week I reported that the project was 78% complete. This was in error. Last week the project was 72% complete.)

The grading, shaping, and the sand installation has been completed on all the greens on the back nine.

All greens on the front nine have been cored out and shaped. As the architect approves the grade of the floor of each green the contractor can begin to install the flat drainage pipe in each green. Sand has been installed on #1 and #2. Sand is partially installed on #3 and the putting green as of Sunday, June 7<sup>th</sup>. Flat drainpipe has been partially installed on #4.

A couple of things to notice. A “fore” bunker (see white outline) has been added to #5. This bunker is 25 yards short of the green. However, when viewed from the fairway it appears to be in front of the green.



You will also notice that the #9 green has been moved 15' to the player's right, away from the short game practice area and the cart path. The right front sand trap on #9 has also been removed. Photos below are before and as of June 7<sup>th</sup>.



Work has begun on the concrete cart paths as of Monday June 8<sup>th</sup>, around the 1<sup>st</sup> and 10<sup>th</sup> tees, putting green, and driving range areas. This work will be completed the week of June 7<sup>th</sup>. These cart path areas will be closed to cart path traffic for 10 days after completion to allow the concrete to cure. Please respect the barriers! The contractor will remove the barriers after the ten (10) day cure time has passed. We do not want this to happen to us! (Actual photo from another project.)



Additional drainage is being installed in areas that have traditionally been wet. It is hard to grow grass and is difficult for players in these areas. The following photo shows the additional drainage installed in front of #15.



Detail landscape work continues. This work is in advance of the installation of sod and involves preparing the grade around the areas of disturbance such that when the sod is installed the turf level matches up with the existing turf levels and the level of the new green. The detail crew also cleans up debris and rocks exposed during construction.

The irrigation contractor is currently working on the outfall drains from the greens. Drainage for the range will be installed by the primary contractor after the cart path concrete is cured as well as new “zoned” irrigation for the expanded range. The zoned irrigation will allow maintenance staff to irrigate portions of the range while players are practicing on other areas. The old range irrigation design would not allow for this. The result will be the improved ability to repair and grow range turf.

Below are before construction and current photos of #18. Left is before the project started. The right is June 7<sup>th</sup>. Note that the “Pot bunker in the front is gone and new bunkers are both right and left.



04 01 2020



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Photos taken from behind the green show the before, and current after the two bunkers on the player's right of the green and the bunker behind the green have been removed. The area has been sloped for improved and safe maintenance, and to channel surface water away from the green.



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This photo shows #18 on June 7<sup>th</sup> as viewed from the 100-yard marker in the fairway.



The smoke from the fire can also be seen.

#### What will Happen Next

Flat drainpipe installation will continue on the front nine as the architect approves grades in greens. Sand installation will also be continuing.

Sand for the greens #2, through #8 will be delivered to the golf maintenance area.

The contractor continues working on the outfall drainage pipe away from the new greens.

Other than the placement of sand into the front nine greens, we have reached a point in the project where visible progress is just not noticeable. The contractors will be making progress, but without the significant movement of dirt it just may not appear that way.

#### Additional Information

The schedule dates for sodding around the greens and sprigging of the greens is as follows:

	<u>Sodding</u>	<u>Sprigging</u>
Back Nine	6/23	6/26
Front Nine	7/7	7/10

The sod will be delivered in small rolls. I had previously reported that the sod would be in large rolls. However, weather conditions at this time of year do not support the storage of large rolls that is inherent in transporting sod of this quantity. Therefore, the sod will be small rolls.

Additionally, the grassing contractor visited the site and determined that the project is better suited to be done with small rolls. The areas for this project, and the shape of those areas, do not lend themselves to the use of large rolls of sod. The grassing contractor indicated that a single crew could lay 15,000 square feet of sod per day. Two crews are expected to perform the work on our project.

Placement of sod will begin on #15 and #16. Given the limited access and the quantity of sod required for these holes, they will be closed to play on June 23<sup>rd</sup> and 24<sup>th</sup>.

With respect to the grassing of the greens and the surrounds, I have recently heard two concerns. What steps will be taken to control erosion on the newly sprigged greens?

The sprigging process is done hydraulically. As the material is sprayed onto the greens it includes the sprigs, mulch, fertilizer, and a tackifier. This mixture is intended to control erosion until the grass plants multiply and are able to provide a stable surface.

The slopes on the new greens are much shallower than the old greens and therefore, the probability of erosion is practically nil. It would take a catastrophic monsoonal event for erosion to occur. If such a catastrophic monsoonal rain event were to result in erosion, then the greens would be repaired.

The second expressed concern is potential damage to the greens caused by javelina and coyotes. How will this potential damage be mitigated?

To date, there have been no signs that javelina and coyotes are attracted to the new greens. Some tracks have been noticed where these animals have crossed a green. Javelina are typically attracted to an area where a food source, grubs, exist. The new greens do not have grubs.

If animal damage were to occur, it will be addressed at that time. One potential solution would be to temporarily install snow fencing. However, this fencing would interfere with the irrigation of the new greens at a time when watering the greens is critical.

## Seen on the Course

Lightning strikes on June 5<sup>th</sup> started fires in both the Catalina and Tortolita Mountains. These photos taken on June 7<sup>th</sup> are for those of you who are not currently in Sun City. These photos were taken from behind #9 and the cart parking area above the putting green.



The fire in the Catalinas ( $\approx$  2,550 acres as of the morning of June 9<sup>th</sup>) is being contained in those areas where it would potentially threaten residential property. The red lines you see in the photos are fire retardant dropped by planes and helicopters. There are efforts to contain the fire such that it does not reach Pima Canyon.

Something you have a question about or want to see a photo of? Let me know by email and I will include it in an upcoming report.

Questions should be addressed to Howard Schulz at 217-825-5093, or [howardschulzscov@gmail.com](mailto:howardschulzscov@gmail.com), or Tim Kelley at 734-645-8199, or [tkelleyscov@gmail.com](mailto:tkelleyscov@gmail.com).