



To Whom It May Concern:

Mr. William O'Brochta has recently requested us to provide a quote to repair the irrigation system on the West side of Harkrider Street. To gain background knowledge, we met with Mr. Nate Cowden, Director of Operations. Mr. Cowden provided us with a spreadsheet and marked up map representing the issues he and his team currently face. We have reviewed the information provided to us and have some insight and suggestions.

The current system has approximately 20 water sources (city water meters). Each of these meters provides the water to irrigate certain sections of the campus. There are approximately 17 mounted controllers that control the watering to these sections, as well as approximately 41 wireless controllers that are sporadically placed throughout the campus in underground valve boxes. It appears that wireless controllers were installed as a simple fix when wiring to the control valves were damaged, cut and/or removed when construction or additions were made throughout the campus. Wireless controllers, however, make programming difficult, resulting in inefficient/wasted water. Each wireless controller must be programmed separately. When you have one water source, a mounted irrigation controller that controls multiple sections, and six wireless controllers controlling six additional stations, programming is very difficult to say the least. Another downside to wireless controllers is there is no way to install a rain sensor/shutoff device in the event that water is not needed. Additionally, of the mounted irrigation controllers that are on campus, many of them are outdated, inoperable and lack the ability to communicate with the Central Control Software the campus currently has that increases water efficiency and enables control from a single computer.

After meeting with Mr. Cowden, we have decided the best way to attack the issues is to begin by converting the system to a 2 wire decoder system. This type of system makes it easy to add onto in the future, as well as minimizes places where potential problems could arise. Below is a brief description of the areas we have decided to begin with, along with an estimate of the costs for each. Please refer to the rough sketch below to correlate the sections of each.

1. \$26,750.00, plus tax - (purple) Replace existing controller at DWR with new LXD 2 wire controller. Add Ethernet communication module (Ethernet connection/wire and programming with existing software not included). Eliminate wireless valves around fish pond, Trieschmann East by boulders, Trieschmann 2 raised Azalea beds, and Staples Gazebo South side, replacing the valves with new Rainbird decoder valves. Replace existing 6 valves currently on DWR controller with new Rainbird decoder valves. Re route mainline

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from backflow 10 to backflow 17 to reduce the water demand on backflow 10. Remove and reroute Trieschmann azalea beds mainline to backflow 17 in accordance with city code.

2. \$10,720.00, plus tax - (pink) Eliminate 8 wireless valves at bell, flagpole and quads raised beds and replace with Rainbird decoder valves. Tie into new decoder controller at DWR.
3. \$7,130.00, plus tax - (dark blue) Eliminate 3 wireless valves and one manual valve in raised planters at front of Fausett Hall. Replace with Rainbird decoder valves. Tie into new decoder controller at DWR.
4. \$4,090.00, plus tax - (yellow) Eliminate wireless valve at Trieschmann horseshoe island and replace with Rainbird decoder valve. Tie into new decoder controller at DWR.
5. \$6,677.00, plus tax - (light blue) Eliminate 2 wireless valves at North and South Berms and replace with Rainbird decoder valve. Tie into new decoder controller at DWR. Note: A 12" section of asphalt must be cut and replaced in 2 places to enable us to install sleeving/pipe/wire to this area. The cutting/replacement of asphalt is not included in quote.

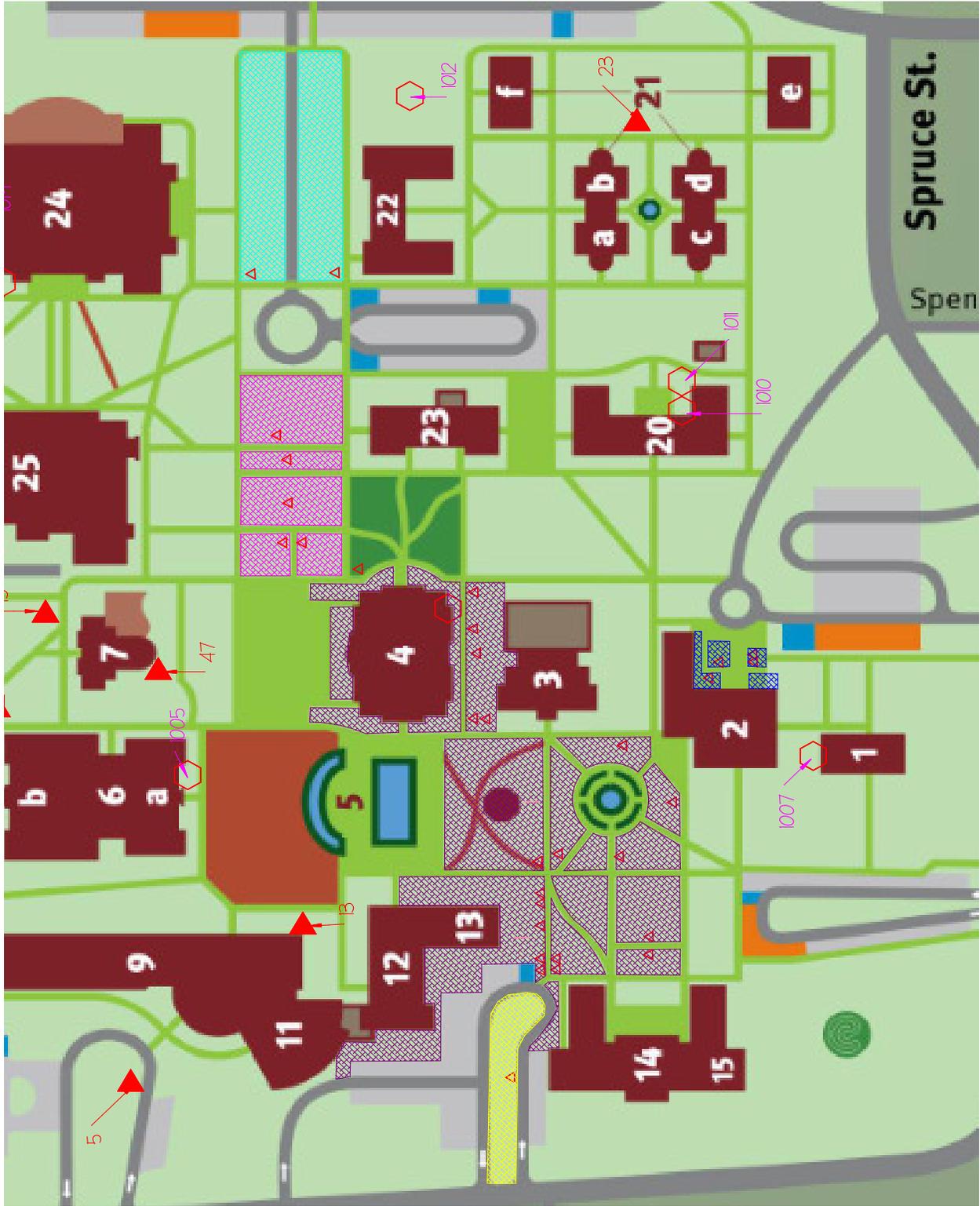
Please note the following:

- Excavated areas will be dug and refilled with the material excavated. It is recommended that these areas have mulch/sod replaced after upgrades are made. The amount of sod/mulch required is unknown but can be replaced for an additional fee. We ask that you allow an additional \$5,000.00, plus tax to cover the materials and labor needed to restore the disturbed areas.
- Repairs/Replacements of heads/broken pipe will be determined after upgrades are made.

If you have any questions or concerns, please feel free to contact me. Thank you for the opportunity and we look forward to making your campus greener.

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Additional notes:

- We agree to complete the work in a good and workman like manner to the standards prevailing in the neighborhood in which the job site is located and in compliance with all building codes and other applicable laws
- We will not engage other sub-contractors to perform work unless approved by owner. If approved, we will fully pay sub-contractor and in all instances remain responsible for the proper completion of this contract and shall indemnify and defend owner from and against all claims of sub-contractors
- If requested, we agree to furnish owner appropriate releases or waivers of liens for all work performed or materials provided after payment has been received.
- We will at owners request, provide proof of workman comp and general liability. We will not hold owner responsible for any injury or claim occurring as a result of us.
- This agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and may not be amended without subsequent written agreement signed by both parties.

We at Conway Sprinkler and Landscape, Inc., would like to thank you for allowing our company the opportunity to service your property.

Cabe Soffos
President

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