

**From:** Tom McKinnon <tom@crawfordhickory.com>  
**Sent:** 8/19/2018 4:26:33 PM  
**To:** Kirk Boone <kirk@kcbconstruction.com>, Jeff Payne <jpayne@ashevillenc.gov>  
**Cc:** Shonia Tidwell <shonia@crawfordhickory.com>, Sandy Childs <sandy@crawfordhickory.com>  
**Subject:** Update 8/19/18 Sprinkler deficiencies @ King James Apts, 90 Charlotte St ISW20824R

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Kirk, here is your update on King James. We have completed the deficiency corrections except for the first item involving a tamper switch.

There are two common types of tamper switches for backflow preventer shut off valves: (1) the OS&Y type which externally mounts on the valve (after market, field mounted by the sprinkler contractor) and (2) the factory furnished type for butterfly valves (internally installed during manufacture). Unfortunately, I overlooked the fact that you have the latter, not the former, when I prepared your quotation. In other words, the tamper switch inside the valve is not field serviceable.. I apologize for this mistake.

Although it is possible that the internal tamper switch has stopped working, it is unlikely. We have installed and serviced butterfly valves for 30 years and have yet to encounter a defective one. The odds are that the reason we did not get a signal at the fire alarm panel is a problem with either the panel or the wiring.

Accordingly, we ask you to have your fire alarm service check out this switch. It's the tamper switch inside the shutoff valve on the the city side of the double check backflow preventer located in the sprinkler riser in the basement. Then let us know their findings, or refer them to me. If they have any questions, give them my cell number: 828 310 8735. Thanks.

I am copying Jeff Payne with the AVL Fire Dept to keep him apprised of our progress.

**Tom McKinnon, Vice President**

*Crawford Sprinkler Company, Hickory NC*

t. 828/327-4116 f. 828/327-4115 [www.crawfordhickory.com](http://www.crawfordhickory.com)

----- Original Message -----

Subject: Re: Quote: sprinkler deficiencies @ King James Apts 20824

From: Kirk Boone <[kirk@kcbconstruction.com](mailto:kirk@kcbconstruction.com)>

Date: Wed, August 01, 2018 11:14 am

To: Tom McKinnon <[tom@crawfordhickory.com](mailto:tom@crawfordhickory.com)>

Cc: Shonia Tidwell <[shonia@crawfordhickory.com](mailto:shonia@crawfordhickory.com)>

Hey Tom,

Just checking to see if you had this work scheduled yet.

Kirk  
828-231-3680

Sent from my iPhone

On Jul 19, 2018, at 4:10 PM, Tom McKinnon <[tom@crawfordhickory.com](mailto:tom@crawfordhickory.com)> wrote:

Thank you Kirk. We will get on schedule right away. We appreciate your approving this quotation.

Kind regards,  
Sandy Childs on behalf of

**Tom McKinnon, Vice President**

*Crawford Sprinkler Company, Hickory NC*

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----- Original Message -----

Subject: Re: Quote: sprinkler deficiencies @ King James Apts 20824

From: Kirk Boone <[kirk@kcbconstruction.com](mailto:kirk@kcbconstruction.com)>

Date: Thu, July 19, 2018 2:03 pm

To: Tom McKinnon <[tom@crawfordhickory.com](mailto:tom@crawfordhickory.com)>

Tom,

Thank you and yes please proceed with the work as soon as you can get it scheduled.

Kirk

Sent from my iPhone

On Jul 19, 2018, at 1:56 PM, Tom McKinnon <[tom@crawfordhickory.com](mailto:tom@crawfordhickory.com)> wrote:

To: Kirk Boone with KCB Construction 828 231 3680

Here are the deficiencies needing correction:

- adjust #1 gate valve tamper switch into operating condition, or if not successful, replace (alarm wiring not included)
- stock 3 additional spare sprinklers in storage cabinet
- pipe main drain to floor drain so that main drain test flow can be conducted (and conduct the test)
- examine corroded inspectors test valve, weldolet and tee to see if surface only, if so, clean; if not, replace
- *conduct 10 year test on dry sprinklers (note: based on owners statement that the certificate of occupancy was obtained in 2010, we rescind this recommendation and render no quote for this item ; we will make appropriate correction on the Compliance Engine report we filed with the city.)*

Note that items 1 and 4 have contingencies so I will give you a not-to-exceed worst case price of \$2063.00.

Thank you for using our services. Let me know if you want me to schedule this work.

**Tom McKinnon, Vice President**

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