

## Courtney McNair

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**From:** James Geurtz <jrg@eda-pa.com>  
**Sent:** Monday, March 25, 2019 11:03 AM  
**To:** Courtney McNair; Michael Bader; Sarah Geurtz  
**Subject:** RE: Morsani  
**Attachments:** Valle Lane Fire Flow.pdf

Courtney,

Attached is the fire flow we received from the City. Flow is moderately low for residential use and the residual pressure at the dead end hydrant has me suspect we didn't pick a good test location since it dropped so far. On the other hand static pressure is good and our design has 8" lines that loop to the existing 4" at the north. So the back flow/pressure from the 4" line would limit a residual pressure drop on our system. As compared to the system on Hidden Valley. That in turn should increase our flows.

If needed by the City I can do further analysis on the water system. I'll have to have some flow information on the 4" lines to the north. I won't have any time to provide an analysis for the PC meeting tomorrow. I believe we are meeting fire code with the 500' spacing for hydrant with the sub 1000 GPM, but I'll let the Fire Marshall make that ruling.

I wouldn't think fire flows should be too detrimental to this project from a PC board perspective. If ultimately we aren't meeting fire code we can simply look at alternatives to meeting the code that could include upgrading some water lines to reach the requirements.

Thanks,

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**From:** Courtney McNair <planning@tontitownar.gov>  
**Sent:** Monday, March 25, 2019 9:21 AM  
**To:** Michael Bader <michaelbader21@yahoo.com>; James Geurtz <jrg@eda-pa.com>; Sarah Geurtz <sdg@eda-pa.com>  
**Subject:** FW: Morsani

Michael,  
Would you be ok with this?

Also, James, what is the water flow looking like?

Thank you,

Courtney McNair, AICP, CFM  
Planning Official

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**From:** Courtney McNair  
**Sent:** Friday, March 22, 2019 3:55 PM



Valle Lane

4W

4W

Bausinger Rd

6W

6W

Fire Hydrant #1  
Static PSI: 85  
Nozzle: 2.5"  
Pitot: 22  
GPM: 789

Fire Hydrant #2  
Static PSI: 85  
Residual PSI: 10

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