

# Technical Memo

**To:** Clearwater River Watershed District Board of Managers

**From:** Rebecca Carlson, P.E. (MN)  
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**Date:** October 19, 2018

**Subject:** Clearwater Harbor Hidden River Building Alternatives

During the public hearing for the Clearwater Harbor and Hidden River Nitrogen Mitigation System, residents requested additional information on the treatment building dimensions and aesthetics. This memo was prepared to provide information for the residents to review and provide additional comments on.

The proposed building dimensions should be no larger than 40'x40', and closer to 20x20 with a larger pad for a generator (figure 1). The white lines show subsurface system components.

*Figure 1. system components and approximate control building location and dimensions.*



Photos of a similar system in Afton, MN are provided below for review and comment:



Proposed landscaping alternatives may include (see photo examples below):

- Standard native mix prairie seeding with seasonal mowing, and or mowed borders/mowed access.
- Forb-heavy native prairie mix with seasonal mowing, and or mowed borders/ mowed access.
- Fencing and or shrub plantings for screening.

