

Addendum #1 Emma Store Building Background Information Emma Store Building Water Well and Septic

Water Well:

- The functioning water well is located approximately 400' east of the Mather house
- The pumping rate of the well is 15 gallons per minute
- Currently, the well is only permitted to serve the Mather house for "residential water for one single family unit as well as the unit's lawn and garden (~17,100 spft)."
- The well does not have previous history of, nor is it currently permitted to be used for the watering of domestic animals/poultry/livestock
- In Fall of 2018, OST installed a new waterline that connects from the well to the Mather House. OST also incorporated a "Y" in that line, which runs to a frost free hydrant on the west side of the Mather House's lawn. Once plumbed, the Emma Townsite building could easily connect to the "Y" out (via the frost free hydrant) for it's water supply. A new well permit would need to be filed with CO Division of Natural Resources in order to do so. This would not require an additional water pump system; the Mather House's system should be suffice to run both buildings.

Septic and Onsite Wastewater Treatment System (OWTS) (aka: Leach Field):

- The design for the new OWTS installed Fall of 2018 was engineered to allow it to "serve the 3 bedroom Mather House and future undetermined expansion of the Emma Town site. Connection to this OWTS from future development will require the installation of additional tank(s) and a permit(s) from Pitkin County Environmental Health Department."
- "The OWTS is sized to accommodate 1999 Gallons Per Day (GPD), allowing for design flow of the Emma Townsite building(s) of 1549 GPD. Use of the Emma Townsite will be established through a management process. Once use is established, design flow not exceeding 1549 GPD and waste strength will be estimated." (C1368 OWTS Design Packet 4 21 18.pdf)