

**Village District of Eidelweiss**  
**Water Committee Meeting – Madison Town Hall – 05-17-2022**

Motion to Call the Meeting to Order at 1:30pm by LL. 2<sup>nd</sup> by JB. Approved 3-0

Attendees:

In-person: Jay Buckley, Larry Leonard, Doug Prescott  
Water Operator – Ian Hayes  
Horizons Engineering – Cathy Conway, Devan Currier  
By phone: Larry Sodano

The primary purpose of this meeting was to cross-check mapping data from Dubois & King, Horizons Engineering, the VDOE Water Operator, and other first-hand knowledge of participants to identify missing information to be integrated into the mapping being developed by Horizons.

CC -- Brought the current Horizons maps in 100-scale and 200-scale  
Includes various slices: satellite photo, zone/pipe maps, street maps, etc.

IH -- Brought the “working map with notes” from his truck

A lot of map work was done; numerous missing elements were identified and the data was gathered to be updated by Horizons.

JB -- Will work on updating road names, pipe routes

CC -- Will update houses on the system per Ian’s marking of zones onto the maps  
Will try to tie water system customer list to zones

IH -- Review all maps & give data to Horizons; update Horizons maps  
These are system updates to the data from Nick

Other discussion:

LS -- The Asset Management Plan should be renamed to Asset Management Project

DC -- Has entered all data from Nick into AutoCAD  
-- Nick estimated 5 gpm/house - this is unrealistic: too high  
-- Used this 5gpm on a zone to evaluate a new house  
-- Does NOT work for a large zone. Ex:  
100 houses = 500 gpm => new house will not work  
Actual flow is more like 50 gpm for the entire zone

IH -- Should add meters in new pits at selected sites to get better data

CC -- The AMP will include these recommendations

JB -- Horizons’ Hydraulic Model will replace DuBois & King

DC -- The new model will not be really accurate until it is calibrated in the field

CC/IH -- Ian has worked with Josh (Horizons) on data gathering

LL -- Should add flow meters at each PRV

IH -- Simple, non-powered with a wire to an above-ground display

- IH -- His priorities are:
- Wholesale pipe replacement, but too expensive so probably can't happen
  - Isolation valves & mapping
    - Most gate valves he uses are new since 2000
    - With Josh, have mapped about 75% of these gate valves
    - Older ones have not been exercised in 20 years
  - Bleeders should NOT be a priority
  - PRV pits – need to replace all the smaller pits
  - Pump house structures (buildings) – are a “confined space” issue
    - Chocorua is a higher priority
    - Other structures with issues:
      - Summit – needs repair & insulation
      - Jungfrau
      - Muddy Beach
      - Oak
  - Water Mains:
    - Middle Shore, Interlaken & Big Loop: rebuild to 8”  
Need 8” minimum for fire flow
    - Upper Oak pressure zone
    - Klausen – should be a higher priority due to planned road repaving
    - Should set a minimum of 4” for all new mains (no 2” or 3”)
  - Storage Tanks:
    - Summit is OK (was relined)
    - Reinach is OK (new)
    - Muddy Beach – is apparently a WWII-era buoy
      - The recovery rate is very bad for these wells
      - Need a larger storage tank for this to be a reliable 2<sup>nd</sup> source
    - Tank Inspections?
      - No access at Muddy Beach
      - Probably won't pass and can't access to clean it
      - Need to replace with a new, larger tank
    - Chocorua:
      - We only have a right-of-way there; do not own the location (not good)
      - Should replace this & move it to a lot owned by VDOE
  - Need a reliable 2<sup>nd</sup> source – maybe reestablish the Gratchen well field?  
(used to have wells there)
- CC -- Needs to send a Draft of the AMP to Luis at DES next week  
-- Will have a new version to us by end of this week or early next week for review
- JB -- The VDOE Commissioners have to approve the AMP before it is formally sent to DES

Next Water Committee meeting: May 20<sup>th</sup>, 9:30am  
Motion to adjourn at 3:30pm by LL, 2<sup>nd</sup> by DP Approved 4-0

Respectfully submitted,  
Douglas T. Prescott