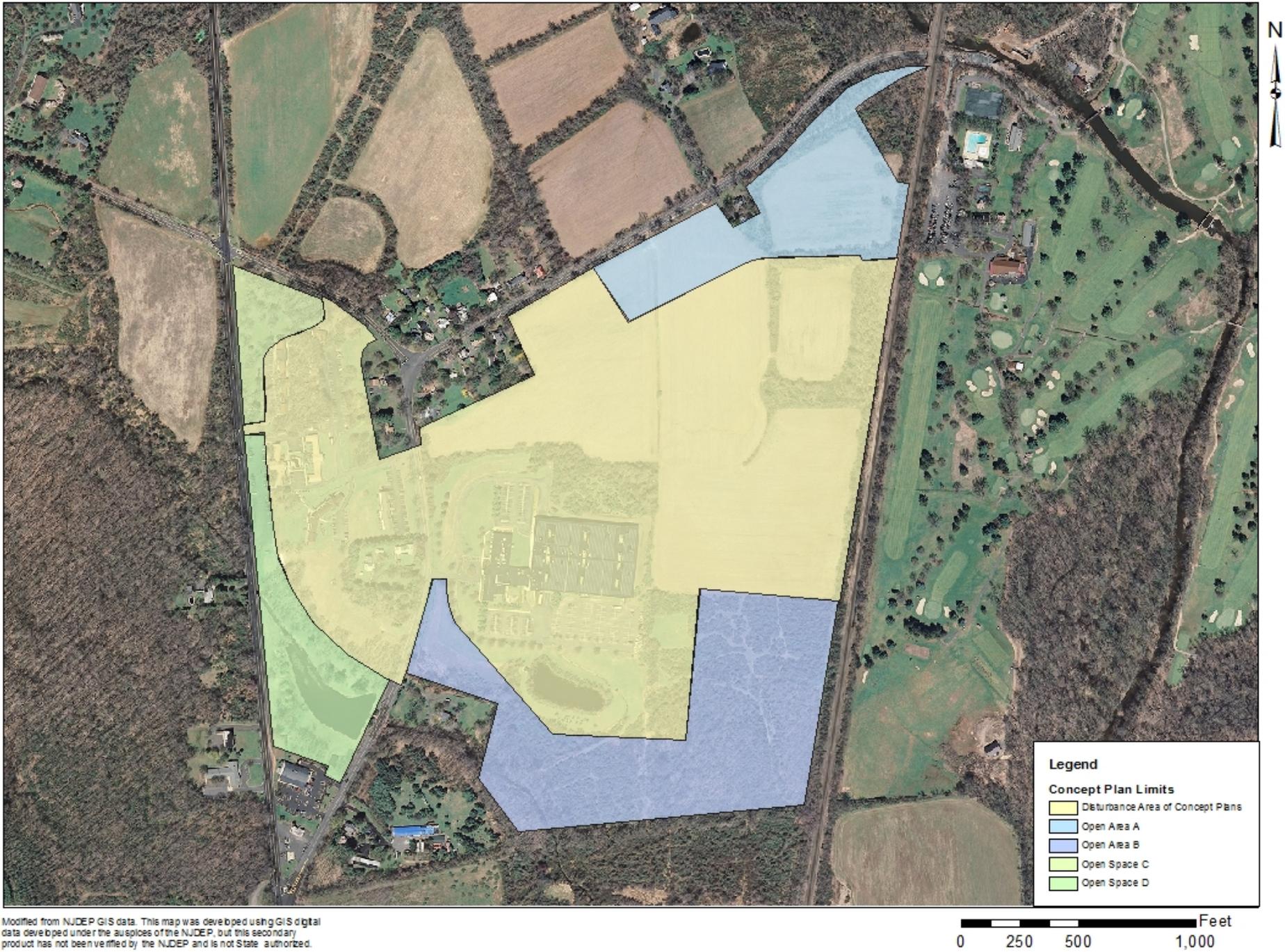


The background of the slide is a blue gradient. The top portion shows a sky with light, wispy clouds, while the bottom portion shows the surface of water with gentle ripples. The text is centered and rendered in a white, sans-serif font.

# Hydrogeologic Evaluation of the Pennytown-Kooltronics Re-Development Site

February 7, 2013

Figure 2: Concept Plans Areas of Development and Open Spaces for Pennytown-Kooltronics Site.



Modified from NJDEP GIS data. This map was developed using GIS digital data developed under the auspices of the NJDEP, but this secondary product has not been verified by the NJDEP and is not State authorized.

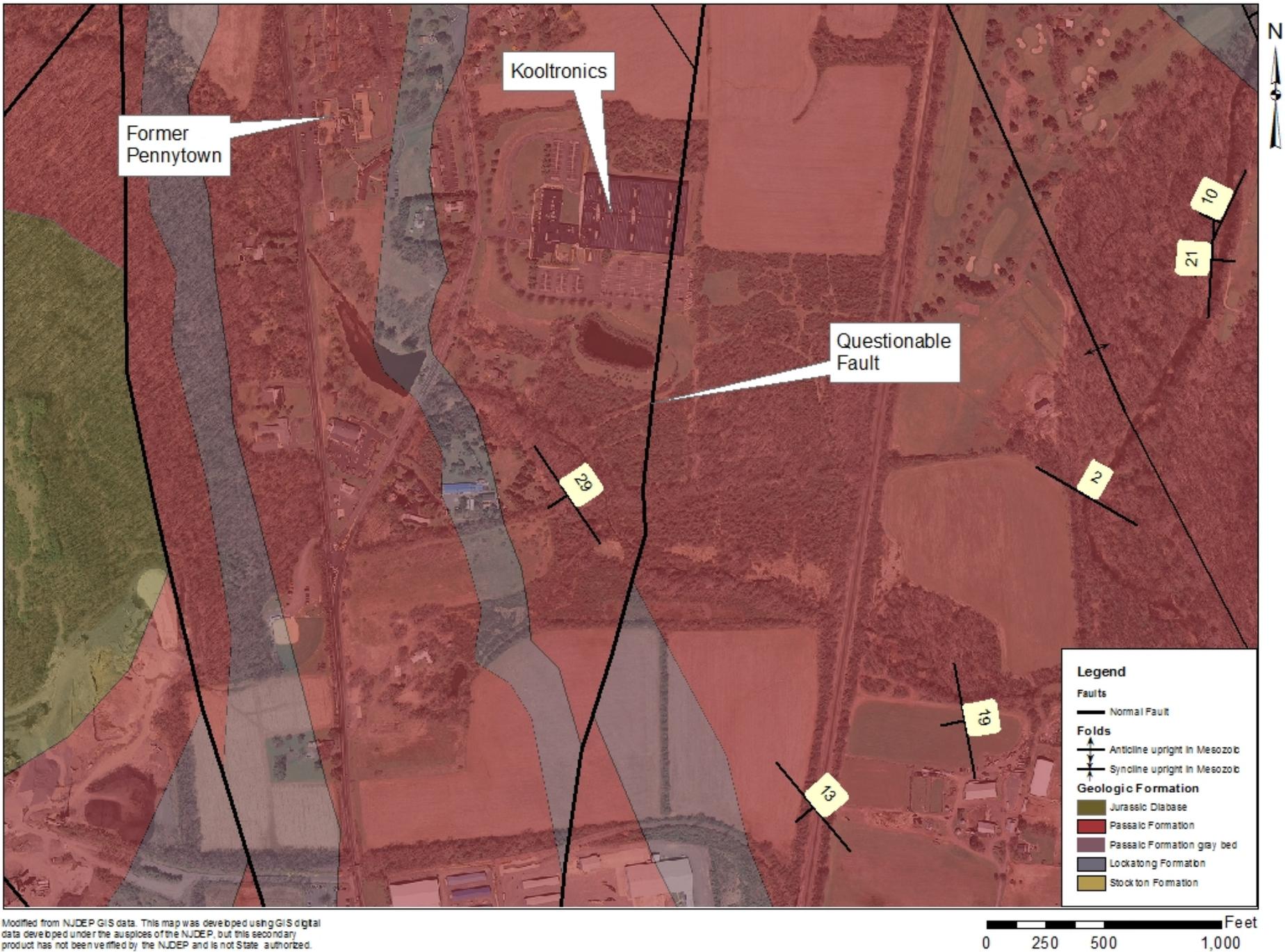
# Water Demands

- 65- single-family homes
  - 43-townhomes
  - 120-condominium units
  - 120- rental units
  - 15,000-square feet of commercial space
  - YMCA
- 
- Average Daily Demand of 81,000 gallons

# Water Demands

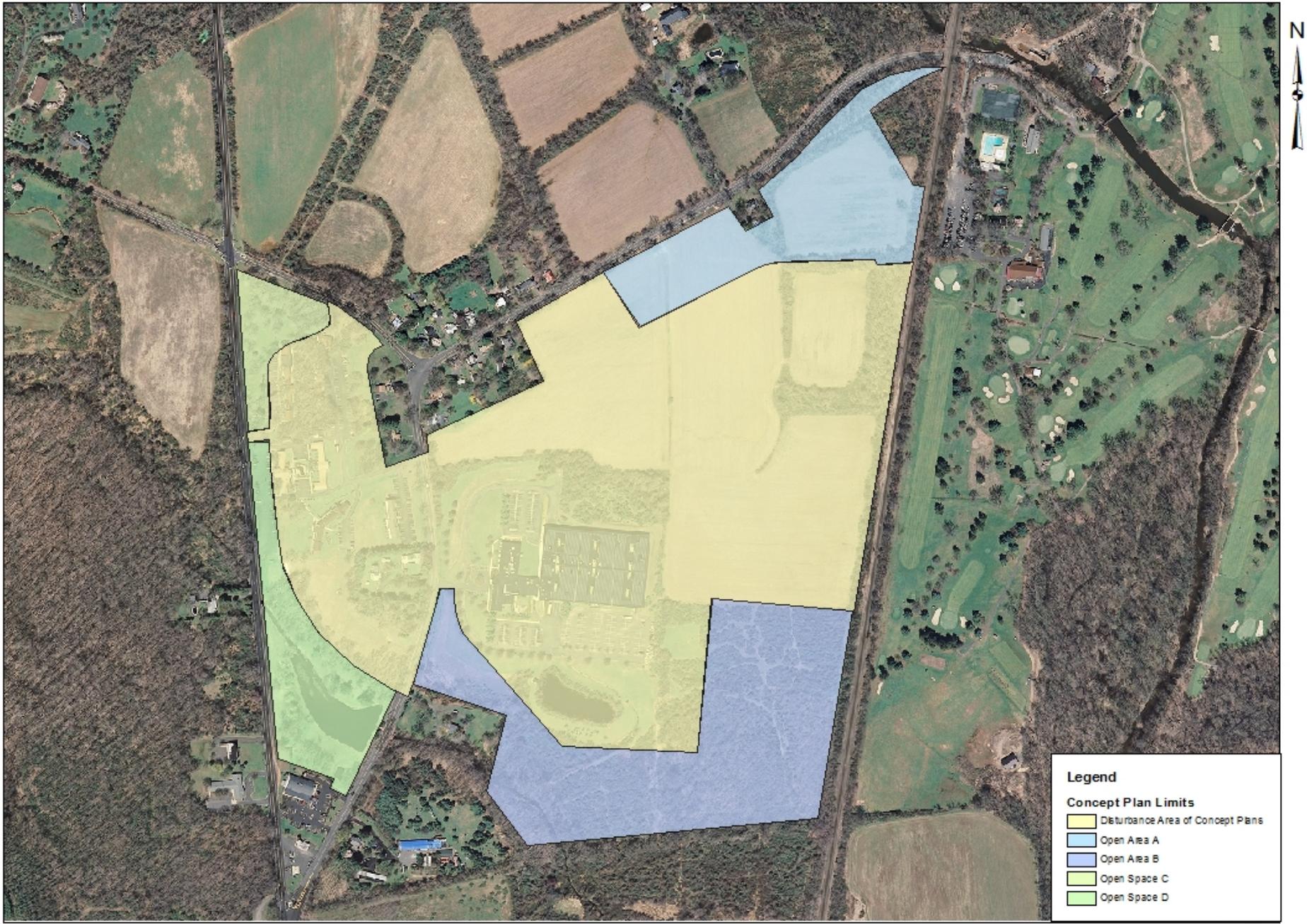
- Target is 80 gpm
- Need for Peak Days
- Requirement for Redundancy
- Goal is 180 gpm capacity of system and wells.

Figure 1: Composite Geologic Map of Pennytown-Kooltronics Site in Hopewell Township, New Jersey.



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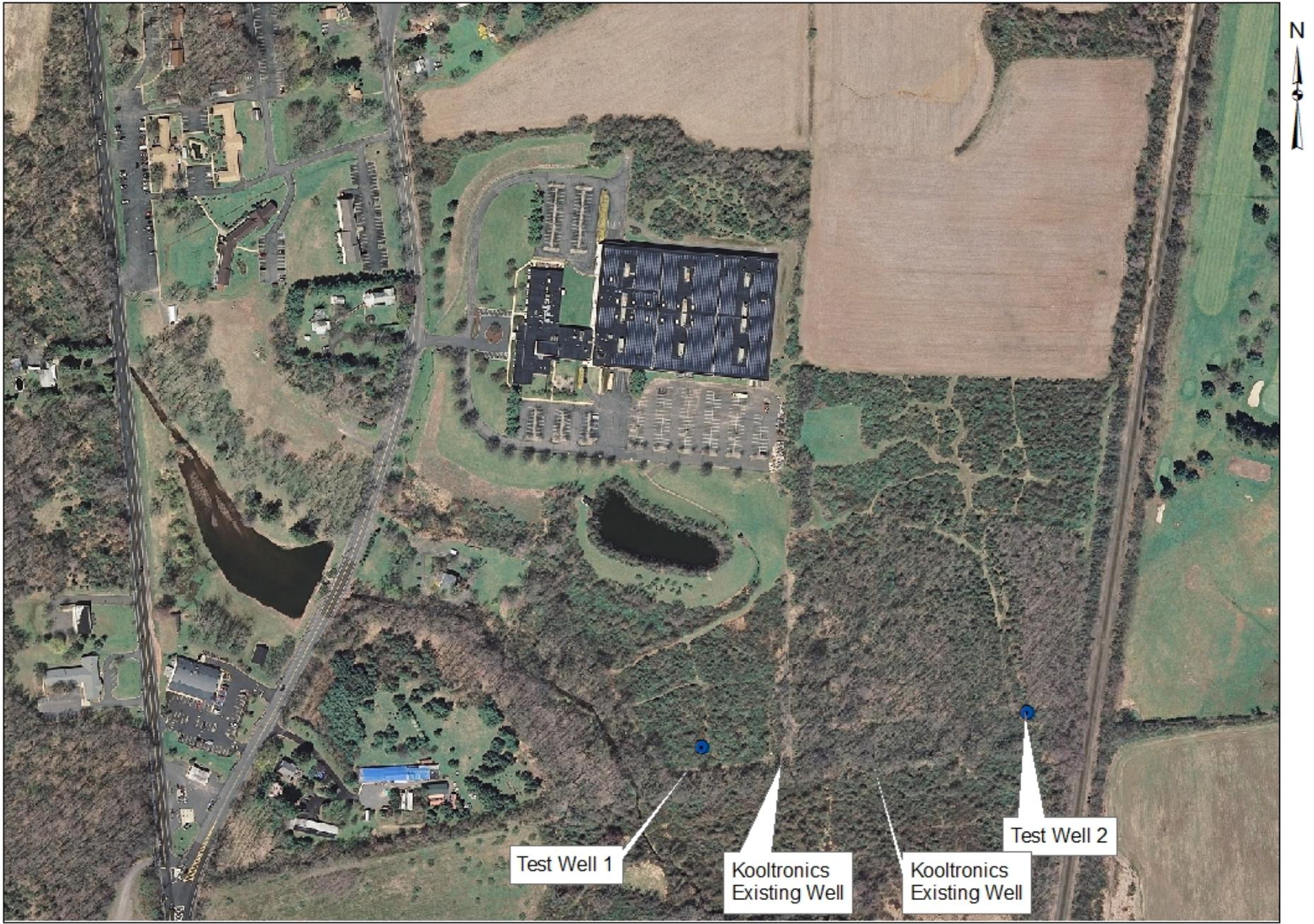
Figure 2: Concept Plans Areas of Development and Open Spaces for Pennytown-Kooltronics Site.



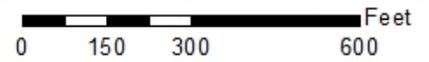
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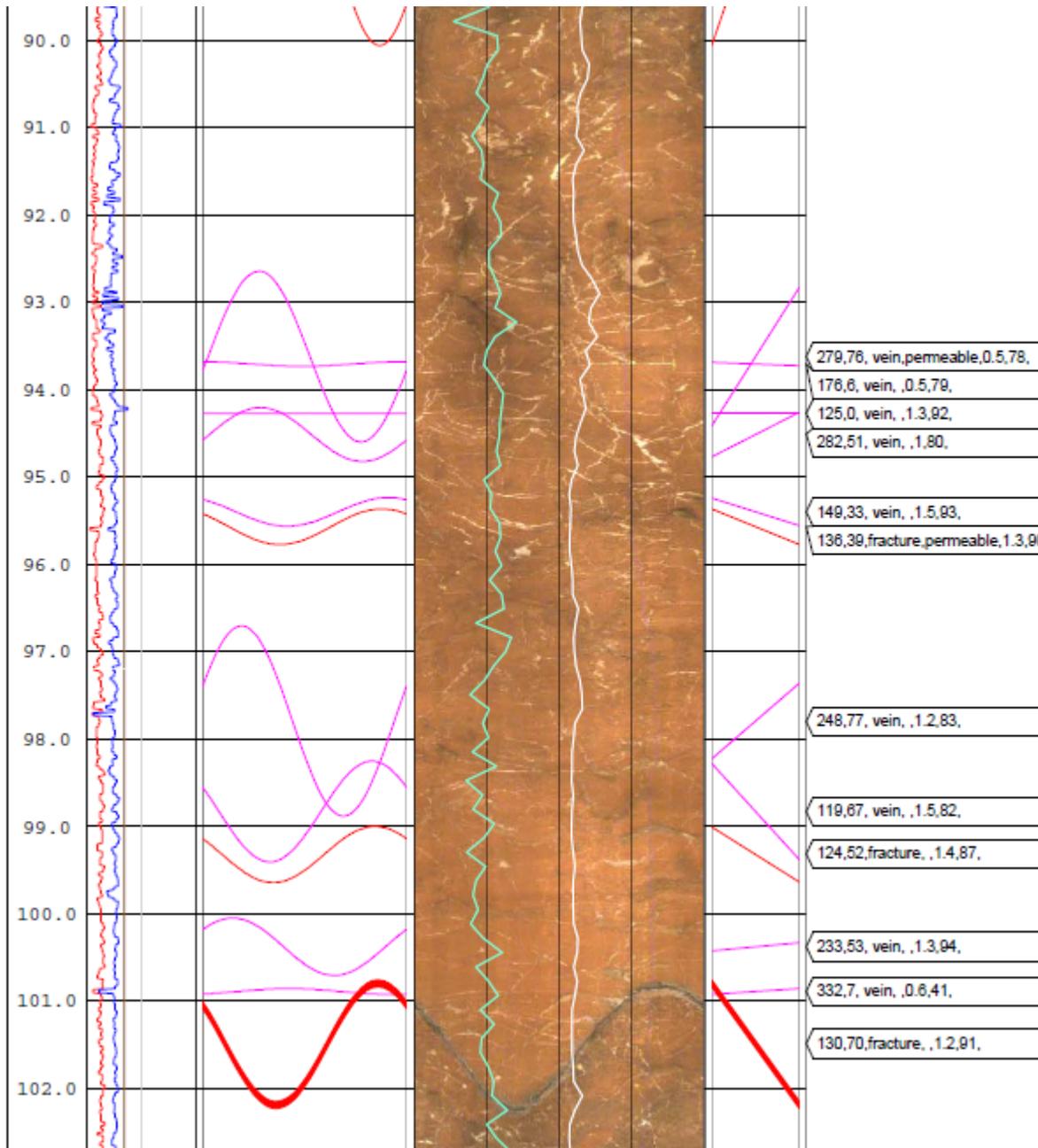
0 250 500 1,000 Feet

Figure 3: Test Well Location at Pennytown-Kooltronics Site.



Modified from NJDEP GIS data. This map was developed using GIS digital data developed under the auspices of the NJDEP, but this secondary product has not been verified by the NJDEP and is not State authorized.











# Where are we today:

- Test Well 1 will serve as an observation well for aquifer testing but not as a primary or backup source of water.
- Test Well 2 has the potential to serve as a primary source of water but will need to be supplemented.

# Where are we today:

- One more well could be installed in the wooded area along the eastern property boundary without resulting in changes to the concept plan.
- This well would serve two purposes.
  - As an observation well for testing Well 2.
  - As another primary supply well.
  - If not as an additional source, it would likely serve as a redundant/backup for Well 2.

# Where are we today:

- Additional wells need to be installed and tested to meet the target yield.
- These additional wells would require minor modifications to the concept plans or drilling in the northern portion of the site.
- Changes to the concept plans are necessary to incorporate the Pennytown wells.