

Pawling Planning Board Meeting


Village of Pawling Water Supply

January 14, 2020

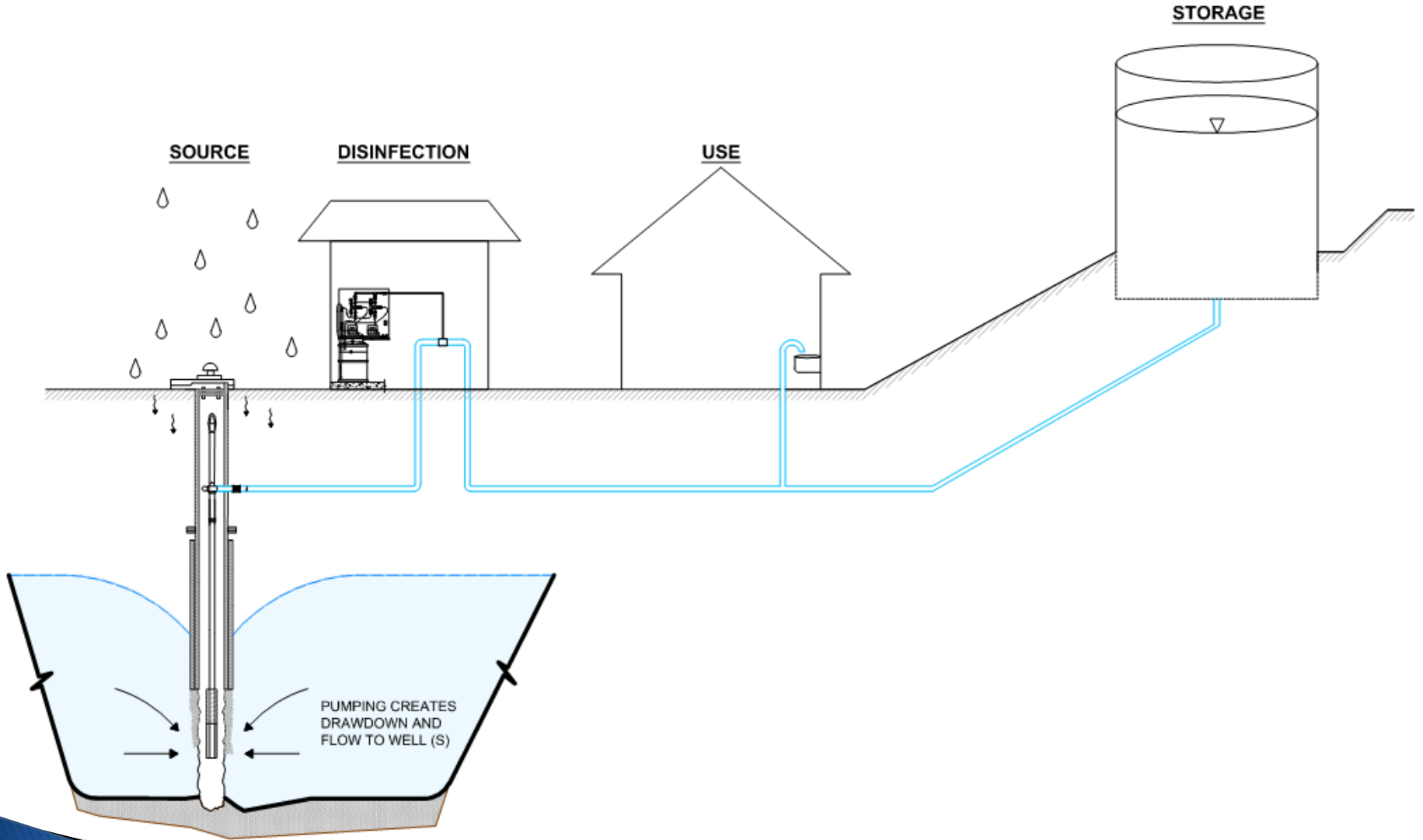
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Discussion Topics

- How Groundwater Supplies work
 - Pawling's Water Supply an Overview
 - Pawling's water supply– Why We are Where We Are
 - Source Yield Summary
 - Project Water Needs Summary
 - Proposed Umscheid Wellfield
 - Impact of Umscheid Wellfield on Villages Water Supply
 - Recommendations
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How a Groundwater Supply System Works



Pawling's Water Supply System



Village's Water System

- A 3–4 decade Long Issue...
- 1980s Discontinued Reservoir Use, added Corbin '86
- 1990s Looked for New Sources– NYSDOH Consent Order
- 2000s Baxter Green Satisfied Consent Order
- 2010s Baxter Green and other wells exhibited diminished yield
 - Fracking, dissolution and redevelopment marginally successful
- 2010's Investigated Filtration of Reservoir
- 2018 Filtration Alternative Deemed Too Expensive
- 2019– Present Umscheid Sand and Gravel evaluation

Well Yields

(*Max Day)

Sources	Approved gpm	2019 yield gpm	2020 Yield gpd	Cap. Loss gpm
Libby #1	40	33	40,000	-12 to 16
Libby #2	30	25	40,000	
Corbin	100	55	59,000	-45 to 59
Baxter #1	35	18	17,000	-140 to 148
Baxter #2	80	22	22,000	
Baxter #3	60	0		
Reservoir	20	18	14,400	-2 to 10
Total	365	171	192,000	-199 to 233
Village's Replacement wells			288,000	0 to 200+

Pawling Projects Summary

Name	Status	Current flow	Design flow	comments
Pawling Commons	Approved '18	780	20,900	58 bdrms
5 Broad	Co '19	600		
7 Oak	Permit '19	155	660	3 apts
10 E. Main	CO '19	300		2 nd bread co
23-25 E. Main	CO '19	164	Approx 5000	4 story bldg
One Memorial	Approved '19	50	220	2 bdrm
Heichon	SEQR	200	21,271	170 bdrm 50 seat restaurant 2500 retail
68 Charles Coleman	Discussion	60	6,600	50 bdrm
McGrath's	Discussion	900	6,000	Resturant
Arch st	2006?	0	580	4 bdrm, 140
Total			62,000	

Village's Umscheid Well Site

- 2018 Soils Evaluations determined depth, saturation and Particle Size of Sand and Gravel
- 2019 Installed Two Test Wells which:
 - Proved reliable Yield
 - Proved Water Quality
- 2019 Completed SEQR
- 2020 Expect to Receive Permit
- Early 2021 New Supply will be On-Line

Umscheid Well's Impact

	Daily flow, gallons
Current Demand	192,000
Current well yield	192,000
Umscheid Wells	288,000

- WHAT THIS MEANS TO PAWLING
 - Full Compliance with Part 5
 - Source Maintenance
 - Rest wells
 - Redevelop Wells
 - Pump at Sustainable Rates
 - Distribution Maintenance
 - Adequate Capacity for Current and Future Needs

Conclusion and Recommendation to Pawling Boards

We Have a Water Supply Solution is in the Works

- Applicants need to be appraised of the project time line and then:
 - Decide for themselves if they wish to continue planning and accept a conditional approval
- Village can (Counsel may recommend a formal agreement) continue with SEQR and other planning decisions but should not issue CO's until the new wells are on Line