

SEPT 2022 STATUS OF IMPROVEMENTS FOR CONSOLIDATING WARM BEACH WITH SNO PUD KAYAK WATER SYSTEM

LEGEND:

- EXISTING WATER SYSTEM
- EXISTING SMALL SERVICE MAIN (3" OR SMALLER)
- 3 PORT FIRE HYDRANT
- 2 PORT FIRE HYDRANT
- BLOWOFF
- VALVE
- PLAT BLOCK NUMBER
- REMAINING ASBESTOS CEMENT (AC) PIPE TO REPLACE BY 2028
- PROPOSED DEVELOPER EXTENSION
- SERVICE BOUNDARY (TICKS REPRESENT AREA UNDER SEPARATE JURISDICTION)
- HGL ZONE BOUNDARY
- IMPROVEMENTS FOR PROPOSED CONSOLIDATION WITH SNOHOMISH PUD

Note, the schedule to replace remaining AC pipe might be extended a few years beyond 2028.

2023-2030
 #9 - Replace about ten(10) hydrants. (WBWA's CIP #9)
UPDATED SCHEDULE: Hydrants on pipes colored blue will be replaced as the pipes are replaced.

2023-2025
 #11 - Replace Water Service Meters. Applies to entire water system.
UPDATED SCHEDULE: Delayed by supply chain disruption. Problem meters have been replaced as needed.

232-HGL Pressure Zone

ADDITIONAL WORK
 Replaced a hydrant and approx 275 ft of pipe with 8-in DI in coordination with a county culvert project.

DONE!!
 #1 - Replace approx 3300 ft of 6-in pipe with 8-in diameter DI pipe. (WBWA's CIP #4)

2023-2024
 #15 - Well 2 chlorination and pH adjustment. (New project)

DONE!!
 #3 - Install approx 350 ft of new 8-in diam pipe from 184th to 96th. (WBWA's CIP #8)

DONE!!
 #17 - Demolish two 55,000-gal tanks. Keep Lake Martha intake facilities and tank site until future of water rights determined. (Modified WBWA's CIP #18)

DONE!!
 #4 - Directionally drill new 12-in pipe under gully (WBWA's CIP #10)

DONE!!
 #2 - Replace approx 4300 ft of 6-in pipe with 12-in diameter DI pipe. (Expansion of WBWA's CIP #6)

350-HGL Pressure Zone

ADDITIONAL WORK
 Replaced approx 600 ft of 6-in pipe found to be AC with 8-in DI pipe.

DONE!!
 #7 - Replace approx 4450 ft of 6-in pipe with 8-in DI pipe. (New project)
MODIFICATION - Found some existing pipe at south end was PVC in good condition (rather than AC), so less pipe replaced.

DEFERRED
 #10 - Demolish vaults from old booster pump station facilities. (WBWA's CIP #19)
Will be completed by PUD crew when time permits.

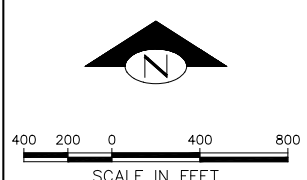
450-HGL Pressure Zone

DONE!! (NOTE BELOW)
 #6 - New pressure reducing station from 450-Zone to 350-Zone. (Modified WBWA's CIP #14)

DONE!! (NOTE BELOW)
 #5 - Install approx 1300 ft 8" DI pipe from Kayak system to Marine Dr. (Modified WBWA's CIP #14)

MODIFICATION to #5 & #6 - Extended the pipe farther east, connecting to tank/treatment, and added a second parallel pipe to extend the "boosted" (450-HGL) pressure zone to some homes with low pressure.

DONE!! #8 - Intertie with Kayak 450 HGL Zone. (WBWA CIP #16)
DONE!! #12 - Study treatment operations.
2022-2024 #13 - Improve treatment operations
DONE!! #14 - Replace Well 4 pump for 200 gpm capacity.
DONE!! #16 - Integrate controls with PUD SCADA system.



PROPOSED WATER SYSTEM
 WARM BEACH WATER ASSOCIATION