Single Family Home Engineered Wetlands - SFW

Location: Dogberry Road, St. Phillips, NL
Installation Year: 2001
Current owners; At time of review property being sold.

Larger Home system: Almost double the size due to 2 B & B rental units in property creating a total of 6 bedrooms in overall home. Separate B&B units were considered as separate apartment type units and added capacity was provided. Additional capacity was built in for jacuzzi tubs in all 3 units. Landscaping package was provided.

System Performance: System has performed well with no return calls requirements for maintenance provided by owners.

Designed by: Glenn Sharp P. Eng
Awarded 2019 Environmental Industry Champion Award from NEIA

Installation by: Ben Squires Excavations & Abydoz Environmental

Single Family Home Engineered Wetlands - SFW

Location: Bennett's Road, St. Phillips – Portugal Cove, NL
Installation Year: 2002
Current owner: Mrs. Elaine Dobbin

Standard Home System: Additional Landscaping was used to cover both the front and back standard stone sections with liners and grass cover, a fence was installed around the perimeter of the system, and this grass space can be seen inside the fence.

System Performance: System has performed well with maintenance provide to owner as required, last maintenance activity was to replace several wooden fence posts in 2015. Sampling and test have been provided to owner in previous years, all were very satisfactory.

Designed by: Glenn Sharp P. Eng
Awarded 2019 Environmental Industry Champion Award from NEIA

Installation by: Ben Squires Excavations & Abydoz Environmental

Single Family Home Engineered Wetlands - SFW

Location: Rushmere Farms, Whitburn, Argentia Highway, NL
Installation Year: 2000
Current owner: Mr. Dick Whitaker – (709)-689-2016

Standard Home System: Additional Landscaping was used to install a natural garden in front to the wetland. The fence is simple with display boards to describe the system for farm guests, as farm had public days to promote farming.

System Performance: System has performed well with maintenance provide by owner.

Designed by: Glenn Sharp P. Eng
Awarded 2019 Environmental Industry Champion Award from NEIA

Installation by: Rushmere Farms & Abydoz Environmental

Single Family Home Engineered Wetlands - SFW

Location: Dogberry Hill, St. Phillips- Portugal Cove, NL
Installation Year: 2008
Current owner: Dr. Squires

Larger Home System: Additional size was included for second live in apartment, and additional hydraulic load due to swimming pool. Landscaping was used to install a natural native Newfoundland style fence due to owner's several small dogs.

System Performance: System has performed well with maintenance provide to owner. There was a period of weed infiltration in 2014, but this was addressed easily and no maintenance has been required since.

Designed by: Glenn Sharp P. Eng
Awarded 2019 Environmental Industry Champion Award from NEIA

Installation by: Ben Squires Excavating & Abydoz Environmental

Single Family Home Engineered Wetlands - SFW

Location: Kippel area, Switzerland.
Installation Year: 1991
Current owner: Swiss Engineering Firm

Larger Home System: Used as an office system. This provides for 240 m^2 floor space of office building in background. Additional size was included for second live in apartment, and additional hydraulic load due to swimming pool. Landscaping was used to install a natural native Newfoundland style fence due to owner's several small dogs.

System Performance: System has performed exceptionally well and was used to provide verification of treatment as a pilot for the introduction of this system for several large municipal projects in the area, for the town of Wheeler and Kippel, which were installed several years afterwards.

Designed by: Kickuth Wetland Group

Installation by: Owner, Engineering Firm & Kickuth Group.

Single Family Home Engineered Wetlands - SFW

Location: Old Mill Road, Goobies, NL
Installation Year: 1999
Current owner: Glenn Sharp P. Eng (owner of WTS) – 709-330-7878

Standard Single-Family Home System: Landscaping was used to blend the system into the natural garden setting with a retaining wall on one side and walkway on the other, note no fence on system.

System Performance: System has performed with full occupancy and has returned to full performance immediately after period of no occupancy. Maintenance provided by owner.

Designed and Installed by: Glenn Sharp P. Eng – self Installation

Single Family Home Engineered Wetlands - SFW

All systems previously presented are approximately 20 years old and have all performed very well with no issues on performance. The treatment in the systems all meet tertiary treatment levels, 10 mg/L BOD and TSS. All systems have a ground soak away that is usually a rock pit approximately 2.2 m in diameter with a liner to prevent infilling.

Visits to the sites are encouraged and where phone numbers are listed please contact the owner directly, where there is no listing, we ask you contact our office so we request a site visit to view the system. If you have any question on these systems, please contact our office directly where you can talk to the designer of these smaller systems or on our larger municipal designs.

Please also visit our web site, and that of our affiliated company Sharp Management who generate carbon Offsets from our larger wetland systems and sell these offsets to businesses and individuals to reduce or eliminate their carbon footprint. Sharp Management directs 50% of all revenue back to the Municipalities to reduce their Operation and Maintenance cost of their sewage treatment infrastructure and directs the remaining 50% to new communities for municipal wetland sewage treatment systems.

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