

PUBLIC NOTICE

Environmental Review of Clean Water State Revolving Fund (CWSRF) Project Town of Ashland, NH - Septage Receiving & Headworks Upgrades Project (CS-330064-06)

The Town of Ashland, New Hampshire has applied for a Clean Water State Revolving Fund (CWSRF) loan through the State of New Hampshire Department of Environmental Services for the Septage Receiving & Headworks Upgrades project related to the existing Wastewater Treatment Facility (WWTF) at 137 Collins Street. The purpose of this project is to replace the existing East Flume Building with a new headworks and septage receiving facility. The new facility will enhance influent screening, grit removal and septage receiving, improve safety, and prevent the bulk of inert grit, plastic, and rag material from entering the lagoons.

The proposed project involves demolition of the existing East Flume Building and associated concrete channel, and construction of a new headworks and septage receiving facility with two concrete wastewater channels. The two existing influent sewage pipes from the collection system will enter a new bypass vault. During normal operation, flow from the bypass vault will enter the new facility for preliminary treatment. A separate pipe will be constructed such that the influent flow can bypass the new Headworks and Septage Receiving Facility to enter the lagoon influent box directly.

The new, larger structure will be located where the existing structure is located, and surrounded on three sides by 5,325 sf of new pavement. The new structure consists of two pre-engineered metal buildings (a 50'x37' Headworks building and an 11'x37' Electrical/Mechanical Building) separated with a 5'x37' breezeway, and sharing a common roof. The building slab is designed as a monolithic slab with radiant solar heat.

There are four main mechanical components to the new headworks structure. First, a new Parshall flume will measure sewage flow as it enters the building. Second, a new mechanical screen will remove debris and other solids from the sewage. Third, a new septage receiving unit will allow for proper septage flow measurement and screening. Lastly, a vortex grit removal system will remove any remaining grit from the screened sewage and septage flows.

A new 480 volt underground electrical service will be provided to power the new facilities. A new emergency generator will be provided for standby power. The new Electrical/Mechanical Building will house the new main electric service panel for feeding the process equipment and other HVAC equipment. Equipment control panels and hot water storage tanks will also be located in the electrical room. Both buildings will contain new LED lighting and receptacles, as required.

A solar radiant heating system is proposed, with electric unit heaters in the headworks building to supplement radiant heating, when needed. An energy recovery ventilator and fan coil will also be provided.

Minor modifications will also be made to an existing structure (known as the grit chamber) in the collection system, located within an easement on a private property at 62 Collins Street, located adjacent to the Squam River. Work includes minor modifications to the piping and valves within the structure as well as filling the structure with concrete to prevent future sewer overflows at this location.

Temporary sewage bypass pumping will be required during the short time of construction of the new bypass vault at the WWTF. This will consist of pumping out of an existing manhole within the Collins Street roadway near the Route 93 bridge crossing. Septage will be temporarily offloaded into a container away from construction activities and temporarily piped into the same manhole as the sewage flow.

No trees are planned to be removed and/or trimmed as part of this project. All aspects of the project will occur within previously disturbed property owned by the Town, or for which the Town holds an easement or right-of-way. The area of permanent disturbance is approximately 8,300-square feet; the temporary area of disturbance is approximately 7,050-square feet.

The total project cost for the proposed project is estimated to be \$2,418,000. Sources of funding are as follows: CWSRF (\$1,500,000); Capital Reserve (\$428,000); Northern Borders Regional Commission Grant (\$250,000); and Septage Revenues (\$240,000). Environmental permits that may be required to complete the project include NPDES Construction General or Dewatering Permits and a Shoreland Permit-by-Notification.

Whereas this project constitutes only a minor project and no significant environmental impacts are anticipated, a Finding of No Significant Impact (FONSI) is proposed.

The full document is available at the Ashland Water and Sewer Department, 6 Collins Street, Ashland NH, 03217. Comments can be addressed to: Deidra Winterburn, LSP, Woodard & Curran, 40 Shattuck Road, Suite 110, Andover, MA 01810, phone: (978) 482-7862 and Tracy Wood, NHDES, Wastewater Engineering Bureau, P.O. Box 95, Concord, NH 03302-0095. The deadline for submitting comments is 30 days from the date of this publication.