



## MEMORANDUM

To: Scott Fogleman, Town Manager  
Town of Blowing Rock

From: Douglas Chapman, PE  
McGill Associates, PA

Date: March 5, 2015

Subject: 321 North Sewer Service

Blowing Rock has received several inquiries regarding sewer service along US 321 north of Town on the west side of the highway corridor. Upon considering these requests, we have evaluated connection to the sewer pump station being planned on the east side of US 321, north of Edmisten Road, as part of the post acute care facility (PACF) sewer service. At its current location, the new pump station will primarily serve the PACF, and any other ancillary facilities located on the same property. Due to the physical constraints of the river and surrounding topography, another pumping station would be required to serve properties on the opposite side of US 321. Upon further research, it has been discovered that gravity sewer can be extended from the PACF property, over the river, and under US 321 to the west side of the highway. By constructing such a gravity sewer line, and constructing the pump station on the west side of the road, more properties can be served as future needs arise.

Relocation of the pump station will require several elements that will increase the overall project budget. First, will be redesign of the pump station and related line work changes. Next will be the added cost to extended gravity sewer across the box culvert and under US 321 to the site. The final change is the additional force main needed to reach the pump station site. The estimated cost for this project change is \$186,000. As discussed, these additional costs could be funded through utility fund balance. Please find attached a map showing the original location of the PACF pump station, the newly proposed location, and the piping changes required.

Along with Town staff, we have met with several adjacent properties, Alpen Acres, Blowing Rock Investment Properties, and Blowing Rock Lodge, to discuss the project and their interest in sewer. All have an interest in sewer, and Blowing Rock Lodge is interested in allowing the pump station site to be carved out of their property.

The various agencies funding the project to extend sewer to the PACF, have been contacted to gauge their willingness to allow this change in project scope. All indicate acceptance of the change subject to proper documentation.

I will be available at the March Town Council meeting to discuss this issue further.

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321 NORTH SEWER SERVICE



ALTERNATE  
PUMP STATION  
LOCATION

BLOWING ROCK  
INVESTMENT  
PROPERTIES

REVISED  
FORCE  
MAIN

PROPOSED  
FORCE  
MAIN

REVISED  
GRAVITY  
SEWER

DESIGNED  
PUMP STATION  
LOCATION

