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TO: David Stack, Town Manager                      DATE: 12-8-11  
FROM: Rob Williamson                                      PROJECT NO.: 10177D  
SUBJECT: Project Status  
            Construction of Water and Sewer System

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As we near the end of the construction season for 2011, we wanted to provide you with an overall status report on the project. Our report includes details on construction progress from 2011 as well as the proposed activities for 2012 when the project will be completed. A financial update is provided at the end.

**Water & Wastewater Pump Stations**

All major work associated with the construction of both the River Road water pump station and Hall Street wastewater the pump station were completed earlier this fall. This includes the entirety of the building superstructures, installation of all piping, process and mechanical equipment, electrical systems, and site work. Preliminary punch lists for incomplete work were issued; final punch lists will be prepared and issued to the contractor upon final testing and start-up of the facilities.

The contractor has requested to test and start-up the stations late November/early December (obviously with the recent disintegration of one of the wastewater pumps, the Hall Street station start-up will be delayed while we await a new pump). The testing and start-up will be witnessed by Wright-Pierce and Town representatives. Once the stations have been tested and accepted, they will sit idle over the winter. We anticipate that the water pump station can be placed into service in the spring of 2012 pending your approval and coordination with WhiteWater, Inc. The wastewater pump station will be placed into service upon completion of the sewers in the Hall Street area which is expected in the summer of 2012.

**Water Storage Tank**

Work on the water storage tank itself was completed in October. Work continues on backfill and landscaping, installation of water mains and electrical power from Route 3A, and completion of the access road, all of which will be completed in the coming month. Once the new mains to the tank are connected to the water system, the tank will be filled and tested. Upon completion of the access road and testing, all work will cease and the site will be secured. Punch list items will be completed in the spring of 2012.

### **Water Mains and Sewers**

S.U.R. Construction West, Inc., has completed a large portion of their work during this construction year and will continue with minor work through December.

To date, more than 14,850 linear feet of water mains have been installed on the following roads and streets:

- from the discharge of the new River Road water pump station at the River Road Business Bays north to Vaughn Road.
- Vaughn Road from River Road to Route 3A.
- Route 3A from Vaughn Road south to Johnson Road.
- Dunklee Road from Route 3A to River Road.

In addition, more than 2,000 linear feet of gravity sewer has been installed on the following roads and streets:

- Route 3A from Dunklee Road south, terminating just prior to the entrance to the water storage tank.
- Across the Turkey River from Northeast Foods to Grappone.

In April 2012, the contractor anticipates mobilizing multiple crews to complete the work in the Hall Street/Bow Junction area, as well as along Dunklee Road and River Road.

### **Winter Activities**

Over the winter months, there will be several items/issues that we will be focused on.

1. SUR has requested to realign some of the sewer and force main in River Road between Dunklee Road and the River Road pump station site. We will be reviewing this request and issuing an opinion.
2. O&M manuals for both pump stations will be completed.
3. Record drawings for the work completed to date will be advanced.
4. If directed, coordinate with SUR to integrate the extension of water main along River Road south.
5. Negotiate with SUR the addition of a second sleeve under the Hall Street railroad tracks for a future water main extension.
6. Work with SUR, NHDOT and the railroad to resolve an apparent conflict with the location of the new sewers and an existing fiber-optic telephone line.

**CONSTRUCTION PHASE BUDGET TRACKING  
ROUTE 3A WATER SEWER PROJECTS  
BOW, NEW HAMPSHIRE**

Costs reflect actual expenditures (engineering thru 11-25-11; construction through 12-8-11)

<u>Item</u>	<u>Budget</u>	<u>Expended</u>	<u>Remaining</u>
<b>Approved Bonding</b>	\$10,225,000.00		
<b>Sewer Enterprise Fund</b>	<u>\$1,400,000.00</u>		
<b>Subtotal Available Funds</b>	<b>\$11,625,000.00</b>		
 <b>Construction Contracts</b>			
Contract 2 - Water Storage Tank	\$1,254,890.00		
CO #1 Miscellaneous	<u>\$38,139.51</u>		
<i>subtotal</i>	\$1,293,029.51	\$1,045,150.11	\$209,739.89
Contract 3/5 - Pump Stations	\$2,791,304.00		
CO #1 Miscellaneous <sup>b</sup>	\$6,157.97		
CO #2 2nd Well and Miscellaneous <sup>c</sup>	<u>\$81,664.93</u>		
<i>subtotal</i>	\$2,879,126.90	\$2,669,349.50	\$209,777.40
Contract 4/6 - Water Mains & Sewers	\$4,309,510.00		
CO #1 Water Mains <sup>a</sup>	<u>\$1,197,778.94</u>		
<i>subtotal</i>	\$5,507,288.94	\$2,181,665.15	\$3,325,623.79
<i>Subtotal Construction</i>	\$9,641,305.84	\$5,896,164.76	\$3,745,141.08
<i>Construction Contingency (5%)<sup>*</sup></i>	<u>\$338,108.95</u>	=	=
<b>Total Construction</b>	<b>\$9,979,414.79</b>	<b>\$5,896,164.76</b>	<b>\$4,083,250.03</b>
 <b>Professional Engineering Services</b>			
Construction Administration (10177D)	\$339,339.00		
Amendment #1 <sup>a</sup>	<u>\$56,000.00</u>		
<i>subtotal</i>	\$395,339.00	\$282,029.62	\$113,309.38
Resident Inspection (10177E)	\$306,360.00		
Amendment #1 <sup>a</sup>	<u>\$67,600.00</u>		
<i>subtotal</i>	\$373,960.00	\$173,944.53	\$200,015.47
<b>Total Professional Engineering</b>	<b>\$769,299.00</b>	<b>\$455,974.15</b>	<b>\$313,324.85</b>
 <b>Miscellaneous</b>			
Materials Testing	\$50,000.00	\$27,109.72	\$22,890.28
<b>TOTAL</b>	<b>\$10,798,713.79</b>	<b>\$6,379,248.63</b>	<b>\$4,419,465.16</b>
<b>Balance</b>	<b>\$826,286.21</b>		

\* - reduction in contingency from completion of CT 3/5

a - for addition of Johnson Road, Route 3A and Vaughn Road water mains

b - for miscellaneous items

c - for second well equipment & other miscellaneous items