

### 1.3 Recommended Solution

The recommended solution provides the City with the only long-term answer to its wastewater treatment issues that preserves the City's ability to determine its own course without outside political influences. The recommended solution calls for the City to build a new 8.0 MGD WWTP with a peak hydraulic capacity of 15.0 MGD at a new location with a discharge to the French Broad River. A preliminary layout of the new WWTP and the proposed treatment scheme are shown on Figures 1.2 and 1.3 respectively. The recommended solution will require the City to build a pump station at the present WWTP site. A 12.5 mile force main will be constructed from the new pump station to the new WWTP site. The location of the plant should be as close to the discharge site as possible. The general route of the proposed force main and the general location of the new WWTP are shown on Exhibit 2.1.

The preliminary estimated cost of the proposed solution is as follows:

Raw Wastewater Pump Station	\$ 4,500,000
Force Main (59,429 LF)	\$ 9,000,000
8.0 MGD WWTP	\$20,000,000
Contingencies	