h. Adequate lighting shall be provided in all locations including: outside, motor control room, dry well and wet well or as specified.

i. Electrical equipment in enclosed places where gas may accumulate shall comply with the NEMA Class I, Div. 1, Group D, specifications for hazardous conditions.

j. An adequate supply of potable water shall be provided for use in the pumping station. There shall not be a physical connection between the potable water supply and the sewage pumping station which could cause contamination of the potable water supply.

k. The pump station site shall include a buffer area as required by the York County Zoning Ordinance. As a minimum, the pump station wetwell will be 100 linear feet from the nearest proposed structure in new developments. The requirements of the State Department of Health must be met for stations designed for use in an existing development.

l. Pump station sites shall be landscaped as required by the York County Zoning Ordinance.

H. Design Considerations - Vacuum Sewerage Collection Systems

1. Except as provided for in subparagraph H.4 below, the use of vacuum sewerage collection systems is limited to installations by York County to serve existing platted residential areas. The design of vacuum collection systems shall be in accordance with the Virginia Sewerage Regulations as promulgated by the State Department of Health and the Virginia Department of Environmental Quality.

2. The vacuum station and collection system approved for installation in existing residential areas by the County of York is the AIRVAC system manufactured and supplied by AIRVAC of Rochester, Indiana.

3. The vacuum station and collection system shall be designed in accordance with the AIRVAC Vacuum Sewerage System Design Manual dated June 1996 and as amended by that firm.

4. Vacuum sewer collection systems may be extended to serve undeveloped areas when the County has installed a vacuum sewer system to serve the area or adjacent areas and one of the two following provisions is applicable:

a. The undeveloped parcel or parcels have not been, and are not proposed for subdivision, and the owner or a previous owner paid an initial connection fee in accordance with Section 18.1-62(c), (e), or (f) of the York County Code. (This provision is also intended to permit the owner of an improved

or unimproved parcel that abuts a County installed vacuum sewer line and which existed at the time of the installation of the County system to connect to the system by payment of the applicable connection fees and extension costs at a later date.)

b. The developer has submitted a request to the County to consider an extension of the vacuum sewer collection system and the County has determined by resolution adopted by the Board of Supervisors that the existing vacuum system has adequate capacity to serve the undeveloped area, and service by vacuum sewer is in the best interests of existing sewer customers and would, from an engineering standpoint, benefit the development and maintenance of the sewer facilities of the County. The determination by the Board shall also take into consideration the overall impact of the development on the environment and whether allowing the extension of the vacuum sewer will have a detrimental effect which would not otherwise occur.

In the event a resolution of approval is adopted by the Board, the developer shall enter into a contract as provided for in Section 18.1-53(b) of the York County Code and such extension shall be deemed to be serving an area outside of a primary service area. (The provisions of Section 18.1-65(d) and 18.1-54(c)(3) shall apply in establishing the terms of the extension agreement.) In addition, the contract shall provide for the contribution by the developer of an amount equal to $2,500 for each lot to be connection to the proposed vacuum system in addition to all required fees as an offset for projected increased construction inspection cost and maintenance expense over the life of the system. Such contracts do not require additional Board approval.

5. Contractors engaged to construct vacuum sewer collection system extensions must be approved by the County.

I. Design Considerations - Private Wastewater Disposal System

1. Septic Tanks, Low Pressure Distribution Systems, Elevated Sand Mounds

a. The use of individual septic tank systems, low pressure distribution systems and elevated sand mounds are permissible when the premises does not have access to the facilities of the County. Approval for such a system shall be obtained from the County and the Virginia Department of Health (VDH). Such installations shall be in accordance with Section 18.1-40 of the County Code. If and when public sewer becomes available, owners will be required to connect to the public sewer system.