

Chapter 10

Utilities

The Severna Park Small Planning Area is served by the Broadneck Sewer Service Area (SSA) for sewer and by the Glen Burnie High Zone (295 Pressure Zone) and the Glen Burnie Low Zone (220 Pressure Zone) for water (see Maps 7 and 8).

Water Service:

The County operates and maintains six well fields in the Glen Burnie High Zone that include the Severndale WTP (7.0 mgd); the Harundale WTP (2.1 mgd); the Crain Highway Self-Contained Well (0.96 mgd) which is currently off-line; the Elvaton SCW (0.86 mgd); the Glendale SCW (0.79 mgd) which is currently off-line; and the Phillip Drive SCW (0.86 mgd) which is currently off-line. The County operates and maintains four well fields in the Glen Burnie High Zone that include the Dorsey WTP (4.4 mgd); the Stevenson Road SCW (0.64 mgd); the Telegraph Road SCW (0.96 mgd); and the Quarterfield Road SCW (0.95 mgd) which is currently off-line. Additionally, there are agreements with the City of Baltimore to purchase up to 32 mgd to help meet peak demands and compensation for lost production from off-line facilities. There are also three interconnections that provide for transfer of water between the two pressure zones: the Shipley's Choice Booster Pumping Station and Dorsey Low Flow Control Valve that transfer water from the 220 zone to the 295 zone; and the Old Mill Control Valve that transfers water from the 295 zone to the 220 zone.

Capital Projects:

There are five capital projects currently programmed in the FY 2002 budget to enhance the Glen Burnie Low and High Zones within the Severna Park Planning Area. Project No. W7779 is a section of a 24-inch main that will ultimately be constructed from the Severndale BPS at Truck House Road to the intersection of Magothy Bridge Road and Ritchie Highway. This project will maximize the distribution of the recently upgraded capacity of the Severndale WTP. Project Nos. W7780 and W7782 are to construct a 36-inch water transmission main along the Ritchie Highway corridor from Jones Station Road to Mountain Road and Baltimore and Annapolis Boulevard. This project will maximize the distribution of the soon to be completed upgraded capacity of the Arnold WTP. Project W7576 is a project to connect the Stevenson Road SCW and Telegraph Road SCW to the Millersville elevated tank by constructing a 12-inch water transmission main.

Project No. W7782 is a project to construct 36 inch, 9000 foot transmission main along Baltimore Annapolis Boulevard and Ashbury Drive between Robinson Road and Magothy Road.

Sewer Service:

The Severna Park small planning area is served by the Broadneck Sewer Service Area which utilizes the Broadneck Water Reclamation Facility (WRF) for treatment of wastewater flows. This facility has a rated capacity of 6.0 mgd and annual average daily flows of 4.9 mgd. The facility uses extended aeration in a modified oxidation ditch to achieve nitrification/denitrification and chemicals for phosphorous removal. The collection system serving the area consists of both gravity collectors and force main piping.

Project No. S7929 is a project to construct the Cayuga Farm Pump Station and forced main. This regional waste water pump station and forced main gravity interceptor will connect to Ben Oaks Pump Station, reverting collection back to Broadneck Sewer Service Area.