



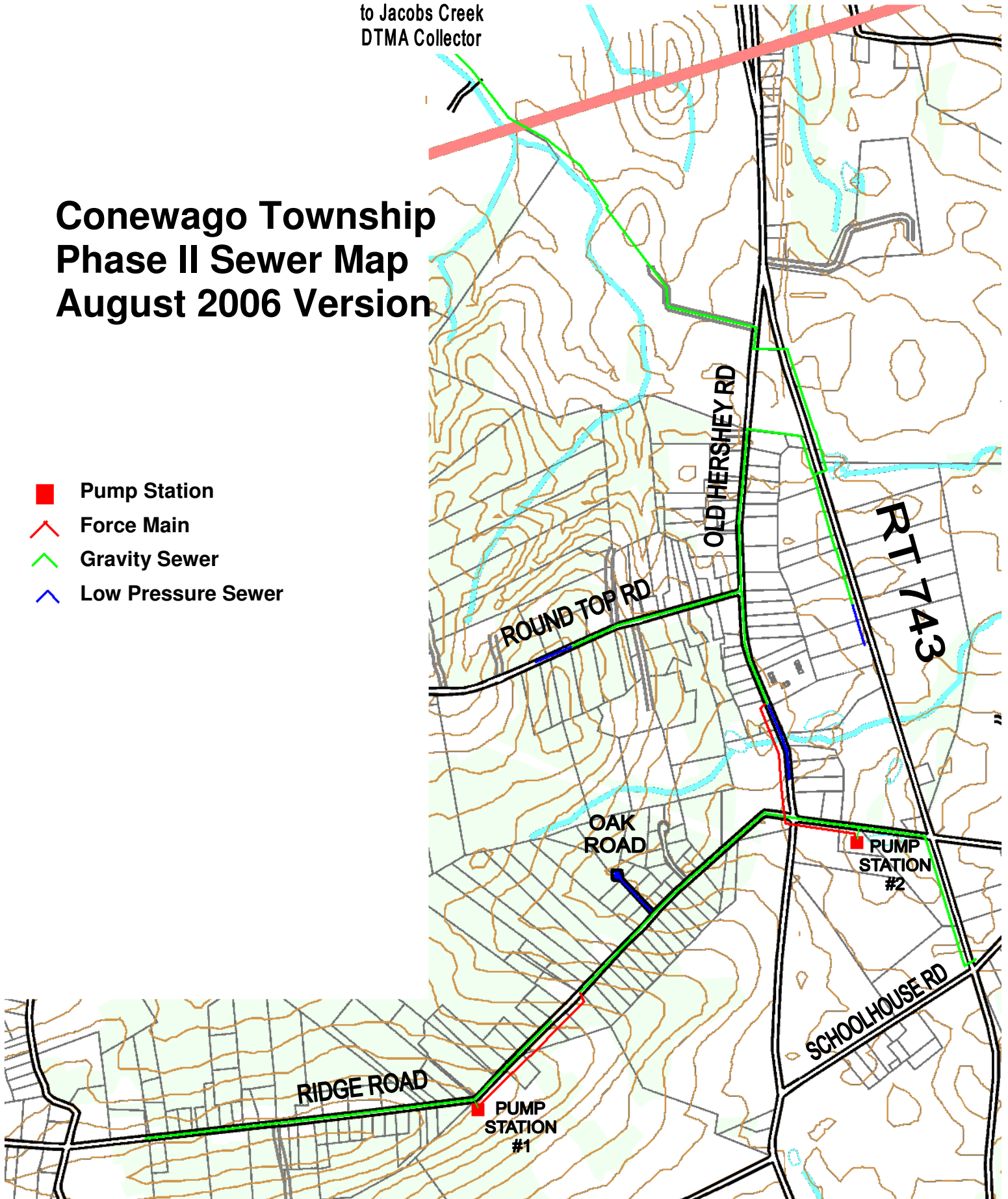


Conewago Township Phase II Sewer Map August 2006 Version

-  Pump Station
-  Force Main
-  Gravity Sewer
-  Low Pressure Sewer



Conewago Township Phase II Sewer Map

August 2006

Pump Stations are electrically powered sump pumps which move sewage up-hill under pressure through pipes called **Force Mains**. The capacity of a Pump Station can vary from fewer than ten homes to hundreds of homes. These pipes are typically smaller (1 1/2 to 6 inches) than Gravity Sewer lines and are installed at relatively shallow depths.

Gravity Sewer lines are typically large pipes (8-10 inches diameter) in which sewage flows by gravity. The sewer lines may be relatively deep (4-20 feet) to maintain a 2% downward slope in uneven terrain. There are three separate sections of Gravity Sewer Lines:

- 1) Ridge Road west of the peak (around 5493 Ridge Road): This section drains into the Pump Station (PS1) at the elbow around 5313 Ridge Road. The pump's force main goes to the gravity sewer on the east side of the peak on Ridge Road
- 2) Ridge Road east of the peak and 743 between Ridge and Schoolhouse Roads: This section drains into the Pump Station (PS2) below the township municipal building on Ridge Road. The pump's force main goes to the gravity sewer on Old Hershey Road near Garden Court.
- 3) Everything else drains north in a round-about manner to DTMA's mains at Jacobs Creek. Round Top Road drains into Old Hershey Road. Old Hershey Road drains north to around 3743 Old Hershey Road. It goes to the west side of 743 and then south. It is joined by a gravity sewer coming north on the west side of 743 from about Halls Explosives. The two lines join and cross 743 opposite Adventure Sports. On the east side of 743 it goes north until it is opposite the property at the corner of Old Hershey and 743. It goes west under 743 then back toward the farm and follows the creek bed to Jacobs Creek.

With the exception of Rt 743, all the gravity sewer lines and force mains are located in the road right-of-ways. Along State Rt 743, the sewer lines are to either side of the highway.

Low Pressure systems use individual grinder pumps at each residence or business to push sewage uphill to a gravity main. The pipes are typically small (1 1/4 inches) and are installed at relatively shallow depths. There are five sections that use low pressure lines. Also, a grinder pump may be required anywhere a building sewer is below the street sewer.

- 1) Houses on Oak Road feed into the gravity sewer on Ridge Road.
- 2) Old Hershey Road between Ridge Road and Garden Court. A few houses in this small section feed into the gravity sewer on Old Hershey Road near Garden Court.
- 3) A few houses just west of the peak on Round Top Road feed into the gravity sewer east of the peak on Round Top Road.
- 4) Businesses on the west side of 743 south of PennHershey Storage may connect to the gravity sewer there by low pressure lines. (Steve Heins Store and Hall Explosives)
- 5) Businesses on the east side of 743 south of the crossover at Adventure Sports may be connected by low pressure lines going under 743 to the gravity sewer on the west side of 743.