

VIAVAC

VACUUM SEWER SYSTEMS

- COST EFFECTIVE ALTERNATIVE TO GRAVITY SEWERS, LOW PRESSURE SEWERS OR SEPTIC TANKS
- FAST INSTALLATION
- PIPE NETWORK USES SMALL DIAMETER PIPES BURIED IN SHALLOW, NARROW, TRENCHES REDUCING SURFACE RESTORATION
- PROTECTS THE ENVIRONMENT AND REDUCES TREATMENT COSTS
- VIAVAC UTILIZES RELIABLE AND ROBUST Vacuflow® TECHNOLOGY
- COLLECTION SYSTEM IS SEALED, ELIMINATING SANITARY SEWER OVERFLOWS AND MINIMIZING INFILTRATIONS/INFLOWS
- LOW OPERATION AND MAINTENANCE COSTS
- COMPATIBLE WITH OTHER COLLECTION SYSTEMS
- MADE IN USA

HOW VIAVAC WORKS?

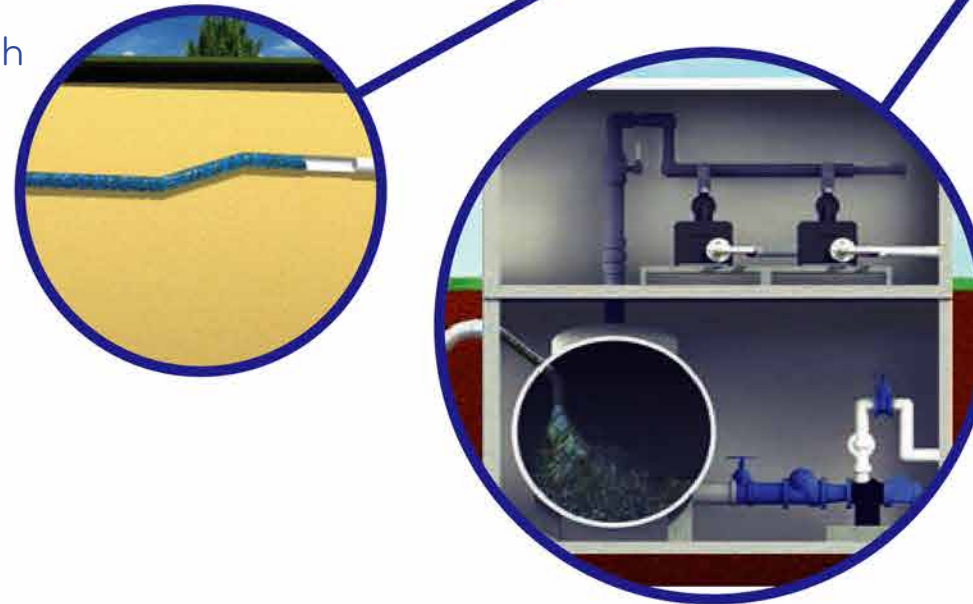
1. WASTEWATER IS COLLECTED IN THE VIAVAC VALVE PIT

- 1- Wastewater from homes is collected in the vacuum valve pit using standard gravity lines.
- 2- When 12 gallons (45 liters) of wastewater accumulates in the valve pit, the float controller signals the valve to open emptying the content in a few seconds.
- 3- VIAVAC valve pit is equipped with Vacuflow technology that does not require electricity to operate (100% pneumatic).
- 4- Viavac valve pit has an internal air intake (no external air intake or vents are necessary).



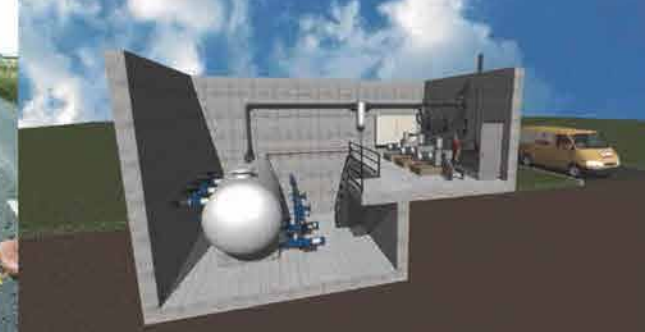
2. WASTEWATER ENTERS THE PIPING NETWORK

- 1- Wastewater, including solids, travel at over 15 ft/sec through the piping network reducing the possibilities of blockages.
- 2- Vacuum line network is comprised of 4", 6", 8" and 10" SDR 21 PVC pipes with "Rieber" type gasketing.
- 3- Vacuum mains can typically be extended to a length of 10,000 feet from the vacuum station.
- 4- Manholes are not required in the piping network.



3. WASTEWATER ENTERS THE VACUUM STATION:

- 1- Wastewater enters the VIAVAC vacuum collection tank through the vacuum pipes connected to it.
- 2- The VIAVAC vacuum station is completely automatic and equipped with telemetry to minimize O&M workload.
- 3- Vacuum pumps create the constant level of vacuum in the collection tank and in the entire piping network.
- 4- Sewage pumps empty the vacuum collection tank by pumping the wastewater out through a force main to the WWTP or to an existing gravity system manhole.



VIAVAC

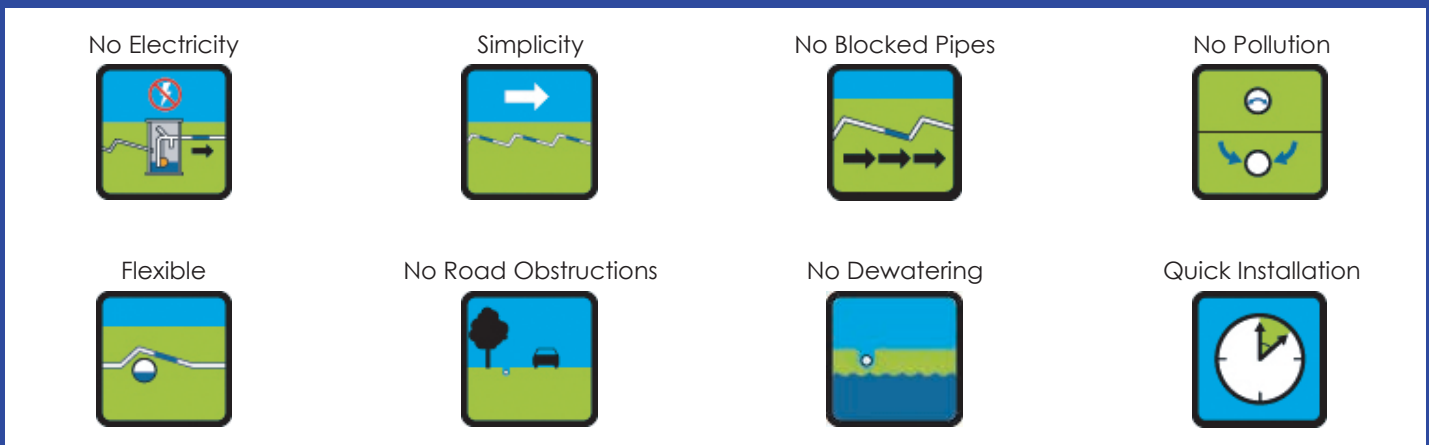
MARKETS:

- Housing developments (municipal and private)
- Sewering ribbon, peripheral settlements on flat terrain
- Sewering historical towns
- Sewering water protection areas and areas with sensitive high ground water tables
- Industrial waste sewerage
- Renovation projects
- Recreational areas/Supermarkets/Marinas
- Heavily traveled roadways and roads with excessive utilities conditions

APPLICATION:

- At Least 100 Connections
- Densely populated communities
- High groundwater table
- Flat terrain
- Restricted construction conditions
- Unstable soils or rock
- Sensitive eco-system
- Failing septic tanks or gravity sewer system

ADVANTAGES:



Viatek Corporation, the owner of VIAVAC Vacuum Sewers, is a registered U.S. Federal Government Supplier and a registered bona fide U.S. Minority Business Enterprise (MBE).

- CCR Registration: Current
- CAGE Code: 79UJ5
- NAICS CODES: 237110, 237120, 333249, 541330, 541620
- NMSCD certification number: PR5889



CONTACT INFORMATION:

VIATEK Corporation

P.O. Box 8309
San Juan, PR, USA 00910

Phone: (787) 462-8487

Email: info@viavac.us

www.viavac.us