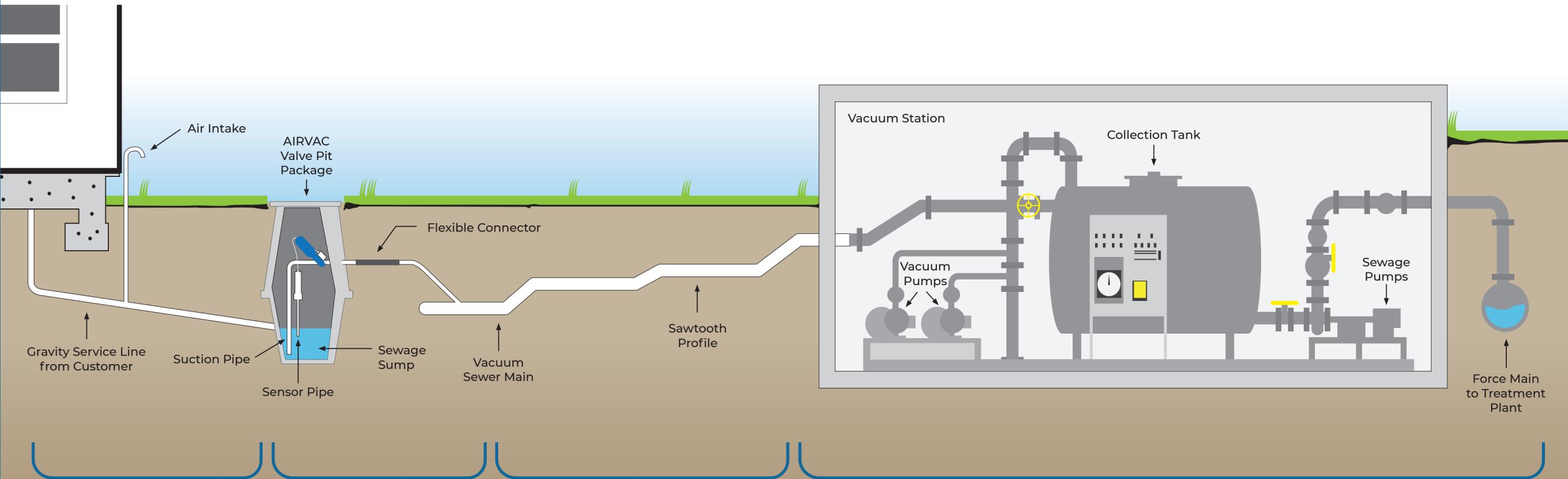


CONNECT TO PROTECT SEPTIC TO SEWER INITIATIVE: **VACUUM SYSTEMS**

MARTIN COUNTY
CONNECT TO
PROTECT



HOW AIRVAC WORKS:

- 1 Traditional gravity lines carry wastewater from up to 4 customers to an AIRVAC valve pit package.
 - 2 When 10 gallons of wastewater collects in the sump, the AIRVAC valve opens and differential pressure propels the contents into the vacuum main.
 - 3 Wastewater travels at 15 to 18 fps in the vacuum main, which is laid in a sawtooth fashion to insure adequate vacuum levels at the end of each line.
 - 4 Wastewater enters the collection tank. When the tank fills to a predetermined level, sewage pumps transfer the contents to the main treatment plant via a force main.
- Vacuum pumps cycle on and off as needed to maintain a constant level of vacuum on the entire collection system.



▶ MARTIN.FL.US/Connect2Protect

This document may be reproduced upon request in an alternative format by contacting the County ADA Coordinator (772) 320-3131, the County Administration Office (772) 288-5400, Florida Relay 711, or by completing our accessibility feedback form at www.martin.fl.us/accessibility-feedback