

- g. Feedline ground straps shall be furnished in accordance with SEPTA's installation standards and practices.
- h. Straps shall be from the same manufacturer as the main antenna feedlines.
- i. Feedline lightning suppression devices shall be furnished in accordance with SEPTA's installation standards and practices.
- j. All feedline mounts and associated mounting hardware shall hot-dipped galvanized or stainless steel.
- k. An automatic, integrated air pressurization and dehydration (APD) unit shall be furnished for the main antenna feedline(s). It shall be powered from an external power source supplying a nominal 120 VAC @ 60 Hz, single phase power; and shall not be of the regenerative desiccant type.
- l. At a minimum, the APD unit shall be sized to pressurize all the furnished feedlines at each site plus two (2) additional feedlines of the same size and length. The APD unit shall be equipped with a pressure relief valve.
- m. At a minimum, the APD unit shall be equipped with an output manifold capable of supporting all the furnished feedlines at each site plus two (2) additional feedlines. The manifold shall be capable of being expanded; and each output port shall be equipped with a pressure gauge and shut-off valve.
- n. The APD unit shall be equipped with dry-contact alarm output capability; and, at a minimum, shall alarm the following conditions. These conditions can be combined into a single alarm output or appear as separate outputs. A local visual indicator shall indicate an alarm condition.
 - Low Pressure
 - High Humidity
 - Power Fail
 - Excessive Run Time
- o. The output(s) of the APD unit shall be integrated by the Contractor into the new alarm monitoring system. See Section [16750, 2.03 Alarm Application -2-5](#) for additional information.

B. Mini-Base/Control Station Antennas

1. The Contractor shall furnish and install replacement transmission line and 700 MHz Antennas as part of this proposal.
2. The Contractor shall ensure adequate RSSI for all donor antenna's in the SEPTA system.