HydraTech
ENGINEERED PRODUCTS AND FIELD SERVICES

INTERNAL
HydraTite
JOINT SEAL

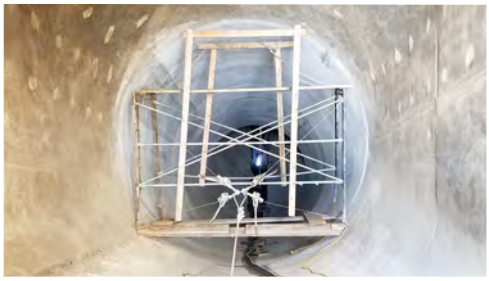
Market
Water / Irrigation

Challenge
Determine a solution to seal the transition between concrete formed inlet and outlet headways and the 13ft diameter reinforced concrete pipe. The joints were located on the down slope and up slope of the siphon and would be exposed to high velocity flow.

Engineered Solution
Internal joint seals using EPDM rubber membrane and stainless steel retaining bands were specified for installation at the connections.

Scope
The project included 2 joints located at the transition of the 13 ft. diameter siphon to the inlet and outlet flumes for providing additional measures to prevent the possibility of leaks.

Solution
To eliminate the potential for leaks, the HydraTite seal was chosen to be installed at each transition. The application required the use of multi piece retaining bands to accommodate the required expansion of the EPDM rubber seal Each internal seal was installed in one eight (8) hour work day. After installation, the joints were air tested to be leak free.



HydraTech Engineered Products, LLC
HydraTech Field Services, LLC
10448 Chester Road, Cincinnati, Ohio 45215 Phone: (513) 827-9169 Fax: (513) 827-9171
http://www.hydratechllc.com
https://www.hydratechfs.com