Recent testing of the XR-5 geomembrane covering SDA Trenches 1 through 12 indicated that it was nearing the end of its useful life.
Engineering Design Criteria

- Removal of obsolete penetrations on the cover.
- Reduce or eliminate stormwater outfalls, if possible.
- Reduce or eliminate buried stormwater piping.
- Maintain stormwater discharge to preconstruction rates.
- Revisit wind uplift and sand ballast calculations.
- Minimize potential of ponding water on the new cover.
- Relief of suspended geomembrane cover areas.
Preparatory Work for XR-5 Installation

- Temporary ballast using sandbags
- Temporary fence modifications
- Removal of obsolete penetrations

- Removal of existing stormwater outfall structures
Stormwater Structure Installation

- New stormwater outlet structures and piping
Ballast Sand Removal and Geofoam Installation

- Vac truck operations for ballast removal.
- Geofoam used to fill in low areas.
XR-5 Installation

- New XR-5 geomembrane panels are placed using mechanical equipment and manpower.
XR-5 Installation cont.

- Installation of the new geomembrane was completed in December 2017.