

## INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - IF SEDIMENT IS AT, OR ABOVE, 80 mm (3") PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 1.1 m (45") OR MORE IS PREFERRED
  - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
  - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE AQUABOX SYSTEM.

## NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

SIDES & TOP OF MODULES IN ISOLATOR ROW WRAPPED IN ONE LAYER OF ADSPLUS125 WOVEN GEOTEXTILE\*\*

COVER PIPE CONNECTION TO SIDE PANEL WITH ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE

ELEVATED BYPASS MANIFOLD

SUMP DEPTH TBD BY SITE DESIGN ENGINEER (600 mm [24"] MIN RECOMMENDED)

450 mm (18") INLET PIPE REQUIRED (INLET TO FULL MODULE)

COVER OPEN END OF ISOLATOR ROW WITH ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE

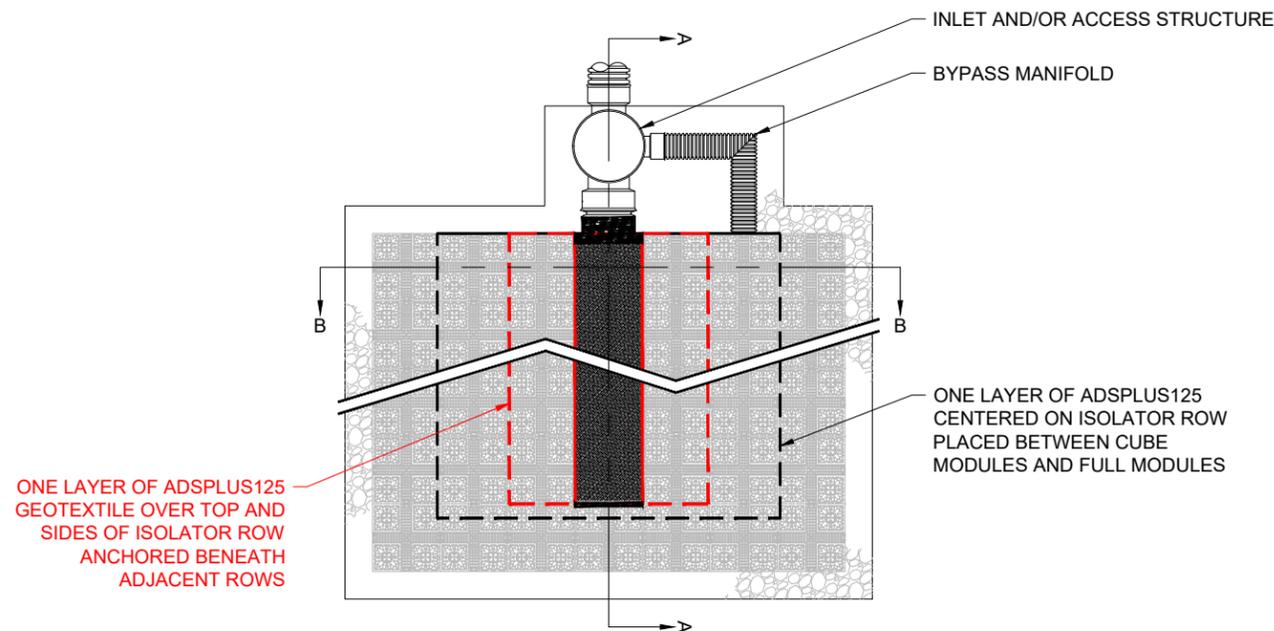
INTERNAL SIDE PANEL TERMINATING ISOLATOR ROW ON OPPOSING MODULE

\*\* FOR AQUABOX-1.5 SYSTEMS WRAP ONLY THE FULL MODULE LAYER AS ISOLATOR ROW

ONE ADDITIONAL LAYER OF ADSPLUS125 WOVEN GEOTEXTILE BENEATH MODULES OF ISOLATOR ROW

## SECTION A-A

NTS



## ISOLATOR ROW EXAMPLE

NTS

SIDES & TOP OF MODULES IN ISOLATOR ROW WRAPPED IN ONE LAYER OF ADSPLUS125 WOVEN GEOTEXTILE\*\*

INTERNAL SIDE PANEL TERMINATING ISOLATOR ROW ON ADJACENT MODULE (TYP)

ADSPLUS125 WOVEN GEOTEXTILE OVER TOP AND SIDES OF ISOLATOR ROW ANCHORED BENEATH ADJACENT ROWS

ONE ADDITIONAL LAYER OF ADSPLUS125 WOVEN GEOTEXTILE BENEATH MODULES OF ISOLATOR ROW AND ADJACENT ROWS

\*\* FOR AQUABOX-1.5 SYSTEMS WRAP ONLY THE FULL MODULE LAYER AS ISOLATOR ROW

## SECTION B-B

NTS

ISOLATOR ROW DETAILS  
AQUABOX-1.5

DATE: 08/20/24 DRAWN: SMW

DRAWING #: 773-015\_C CHECKED: JLM

DATE	DRWN	CHKD	DESCRIPTION
03/03/25			

**Aquabox**  
Modular Stormwater Management System

4640 TRUEMAN BLVD  
HILLIARD, OH 43026

**ADS**

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS/STORMTECH UNDER THE DIRECTION OF THE PROJECT'S ENGINEER OF RECORD (EOR) OR OTHER PROJECT REPRESENTATIVE. THIS DRAWING IS NOT INTENDED FOR USE IN BIDDING OR CONSTRUCTION WITHOUT THE EOR'S PRIOR APPROVAL. EOR SHALL REVIEW THIS DRAWING PRIOR TO BIDDING AND/OR CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE EOR TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

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