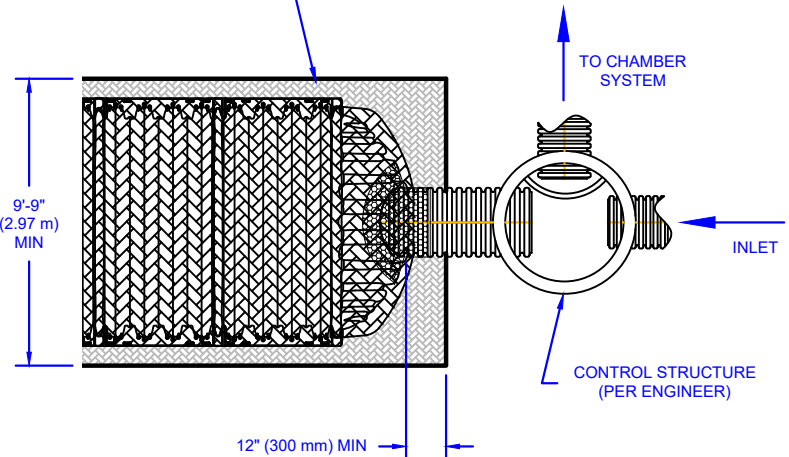


ENCASE CHAMBER SYSTEM IN ONE LAYER OF AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE

COVER JOINT BETWEEN PIPE AND END CAP WITH NON-WOVEN GEOTEXTILE

USE TWO LAYERS OF AASHTO M288 CLASS 1 WOVEN GEOTEXTILE BETWEEN FOUNDATION STONE AND CHAMBER

SUMP DEPTH TBD BY ENGINEER  
24" (600 mm) MIN. RECOMMENDED



**NOTES:**

1. HYDROSTOR HS290 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418. HS180 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION GUIDELINES.
2. **THE SEDIMENT ROW:** AS CONFIGURED, IS DESIGNED TO OPERATE AT A LOADING RATE OF 4 GPM/SF AND SHALL ACHIEVE 80% REMOVAL OR GREATER OF TOTAL SUSPENDED SOLIDS (TSS) WITH A  $d_{50}$  PSD OF  $63\mu\text{m}$ . ALTERNATE CONFIGURATIONS OF THE SEDIMENT ROW MAY BE APPLICABLE FOR APPLICATIONS UTILIZING LOWER LOADING RATES OR WITH DIFFERENT REMOVAL EFFICIENCY REQUIREMENTS.
3. **INSPECTION AND MAINTENANCE:** INSPECTION OF THE SYSTEM SHOULD OCCUR BIANNUALLY TO ENSURE LARGE AMOUNTS OF SEDIMENT OR DEBRIS HAVE NOT BEEN DEPOSITED IN THE SEDIMENT ROW. DURING THE FIRST YEAR INSPECTION SHOULD OCCUR MORE FREQUENTLY DUE TO CONSTRUCTION SEDIMENT LOADING. TO CLEAN THE SYSTEM, A JET/VAC PROCESS CAN BE USED TO REMOVE SEDIMENT AND DEBRIS FROM THE SEDIMENT ROW. FOR MORE INFORMATION, REFER TO PRINSCO'S "RETENTION/DETENTION CLEANING AND MAINTENANCE" TECHNICAL NOTE.
4. **ACCESS PIPE:** PRINSCO RECOMMENDS A 24 INCH (600 mm) DIAMETER ACCESS PIPE TO THE SEDIMENT ROW. CONTACT YOUR LOCAL SALES REPRESENTATIVE WITH ANY QUESTIONS.

THIS DETAIL DEPICTS RECOMMENDED INSTALLATION PRACTICES AND IS NOT INTENDED TO SUPERSEDE ANY NATIONAL, STATE OR LOCAL SPECIFICATIONS. PRINSCO BEARS NO RESPONSIBILITY FOR ANY ALTERATIONS, REVISION AND/OR DEVIATION FROM THIS STANDARD DETAIL. PRINSCO HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICE FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION TO VERIFY SUITABILITY. © PRINSCO, INC.



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TITLE: HYDROSTOR HS290 - SEDIMENT ROW WRAPPED (NJCAT)		
DRAWN BY: TJW	DATE: 28-Aug-20	DRAWING NUMBER: D-7-505
SCALE: NTS	SHEET: 1 OF 1	