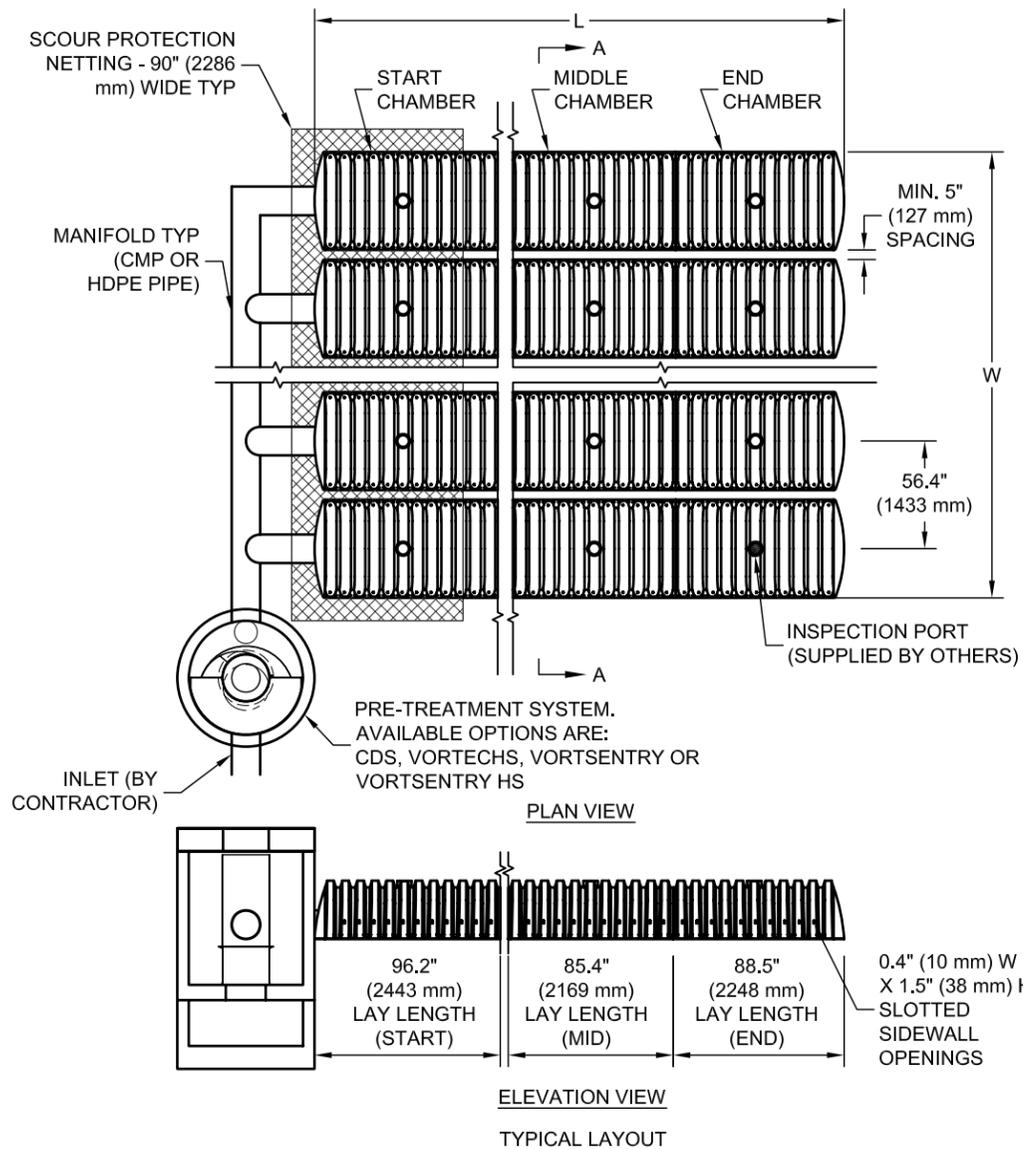


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| CHAMBERMAXX DESIGN DETAILS  |               |                |              |
|---|---------------|----------------|--------------|
| FEATURE   | START CHAMBER | MIDDLE CHAMBER | END CHAMBER  |
| OVERALL CHAMBER HEIGHT - IN (mm)  | 30.3 (770)    | 30.3 (770)     | 30.3 (770)   |
| OVERALL CHAMBER WIDTH - IN (mm)   | 51.4 (1306)   | 51.4 (1306)    | 51.4 (1306)  |
| ACTUAL LENGTH - IN (mm)   | 98.4 (2500)   | 91.0 (2311)    | 92.0 (2337)  |
| INSTALLED LAY LENGTHS - IN (mm)   | 96.2 (2443)   | 85.4 (2169)    | 88.5 (2248)  |
| CHAMBER STORAGE VOLUME - CF (m³)  | 52.5 (1.49)   | 49.3 (1.39)    | 48.2 (1.36)  |
| CHAMBER STORAGE PER LINEAR FOOT - CF/LF (m³/m)  | 6.5 (0.604)   | 6.9 (0.641)    | 6.5 (0.604)  |
| *MIN. INSTALLED CHAMBER VOLUME - CF (m³)  | 78.7 (2.23)   | 76.7 (2.17)    | 76.1 (2.15)  |
| *MIN. INSTALLED CHAMBER VOLUME PER LINEAR FOOT - CF/LF (m³/m)                               | 9.8 (0.910)   | 10.8 (1.003)   | 10.3 (0.957) |
| CHAMBER WEIGHT - LB (kg)  | 85 (38.55)    | 77 (34.92)     | 76 (34.47)   |
| *6" (152 mm) OF STONE ABOVE AND BELOW CHAMBER, 5" (127 mm) CHAMBER SPACING AND 40% POROSITY |               |                |              |

| * SITE SPECIFIC DATA REQUIREMENTS  |  |
|--|--|
| FOR DETAILED DESIGN ASSISTANCE REFERENCE CHAMBERMAXX DYODS (DESIGN YOUR OWN DETENTION SYSTEM) SOFTWARE AND CHAMBERMAXX STAGE STORAGE CALCULATOR @ <a href="http://WWW.CONTECHSTORMWATER.COM">WWW.CONTECHSTORMWATER.COM</a> |  |
| TOTAL REQUIRED STORAGE VOLUME (CF OR m³)   |  |
| DEPTH TO INVERT BELOW ASPHALT (FT OR m)  |  |
| LIMITING WIDTH (FT OR m)   |  |
| LIMITING LENGTH (FT OR m)  |  |
| POROUS STONE ABOVE CHAMBER (IN OR mm)  |  |
| POROUS STONE BELOW CHAMBER (IN OR mm)  |  |
| STONE POROSITY (0 TO 40%)  |  |
| MANIFOLD SYSTEM DIAMETER (IN OR mm)  |  |
| * PER ENGINEER OF RECORD   |  |

**GENERAL NOTES**

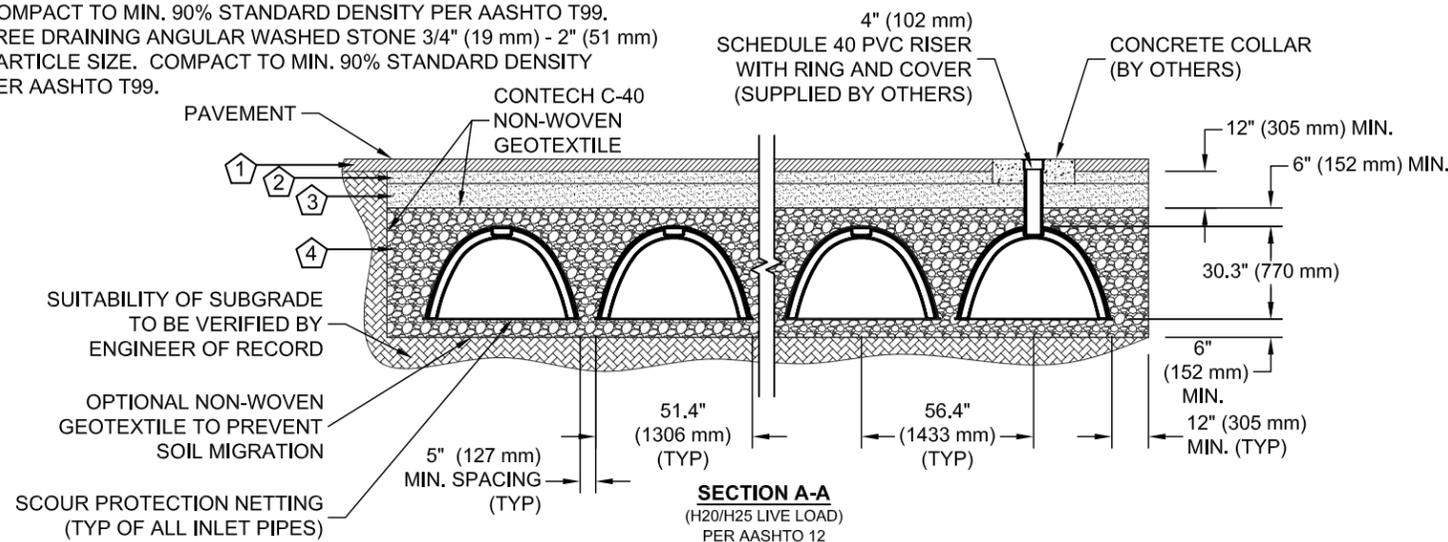
- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.
- PRIOR TO INSTALLATION OF THE CHAMBERMAXX SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.
- CHAMBERMAXX CHAMBERS ARE MANUFACTURED FROM POLYPROPYLENE PLASTIC.
- CHAMBERMAXX SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.
- ACCESS COVERS TO MEET AASHTO HS20/HS25 LIVE LOADING.
- MINIMUM COVER IS 18-INCHES (457 mm) TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR COVER HEIGHTS GREATER THAN 72-INCHES (1829 mm) CONTACT YOUR LOCAL REPRESENTATIVE.
- ALL PARTS PROVIDED BY CONTECH UNLESS OTHERWISE NOTED.
- FOR INFORMATION ON PRE-TREATMENT SYSTEMS, REFERENCE CONTECH PRE-TREATMENT SYSTEM STANDARD DETAILS OR CONTACT YOUR LOCAL REPRESENTATIVE.
- CHAMBERMAXX BY CONTECH STORMWATER SOLUTIONS (800) 925-5240

**INSTALLATION NOTES**

- CHAMBERMAXX INSTALLATION GUIDE TO BE REVIEWED BY CONTRACTOR PRIOR TO INSTALLATION.
- PRIOR TO PLACING BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, A TENSAR BX GEOGRID SHALL BE UTILIZED OR UNSUITABLE MATERIAL SHALL BE REMOVED AND BROUGHT BACK TO GRADE WITH FILL MATERIAL AS APPROVED BY THE ENGINEER OF RECORD. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE BEDDING MATERIAL CAN BE PLACED.
- THE SCOUR PROTECTION NETTING TO EXTEND 1'-0" (305 mm) BEYOND OUTSIDE EDGE OF INLET CHAMBERS.
- COVER ANY OPEN VOID SPACES GREATER THAN 3/4" (19 mm) ON CHAMBERS WITH A NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF BACKFILL MATERIAL.
- BACKFILL MATERIAL TO BE PLACED IN 6-INCH (152 mm) TO 8-INCH (203 mm) LOOSE LIFTS AND COMPACTED TO 90% AASHTO T99 STANDARD PROCTOR DENSITY. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO LIFT DIFFERENTIAL BETWEEN ANY OF THE CHAMBERS AT ANY TIME DURING THE BACKFILLING PROCESS. THE BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE CHAMBER SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON THE CHAMBERS.
- REFER TO CHAMBERMAXX INSTALLATION GUIDE FOR TEMPORARY CONSTRUCTION LOADING GUIDELINES.
- IT IS ALWAYS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.

**KEY**

- FLEXIBLE PAVEMENT.
- GRANULAR ROAD BASE.
- WELL GRADED GRANULAR FILL. AASHTO M145 A1, A2, OR A3. COMPACT TO MIN. 90% STANDARD DENSITY PER AASHTO T99.
- FREE DRAINING ANGULAR WASHED STONE 3/4" (19 mm) - 2" (51 mm) PARTICLE SIZE. COMPACT TO MIN. 90% STANDARD DENSITY PER AASHTO T99.



**CHAMBERMaxx™**  
PATENT PENDING



**CHAMBERMAXX STORMWATER RETENTION SYSTEM  
STANDARD DETAIL  
PRE-TREATMENT STRUCTURE OPTION**