

CULTEC HVLV FC-24 FEED CONNECTOR PRODUCT SPECIFICATIONS

GENERAL

CULTEC HVLV FEED CONNECTOR (WHERE SPECIFIED)S ARE DESIGNED TO CREATE AN INTERNAL MANIFOLD FOR CULTEC RECHARGER STORMWATER CHAMBERS.

CHAMBER PARAMETERS

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
3. THE CHAMBER WILL BE ARCHED IN SHAPE.
4. THE CHAMBER WILL BE OPEN-BOTTOMED.
5. THE NOMINAL DIMENSIONS OF THE CULTEC HVLV FEED CONNECTOR (WHERE SPECIFIED) SHALL BE 12" (305 mm) TALL, 16" (406 mm) WIDE AND 24.2" (614 mm) LONG.
6. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR WILL BE 0.913 FT³ / FT (0.085 m³ / m) - WITHOUT STONE.
7. THE HVLV FC-24 FEED CONNECTOR CHAMBER SHALL HAVE 2 CORRUGATIONS.
8. THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL FIT INTO THE SIDE PORTALS OF THE CULTEC RECHARGER STORMWATER CHAMBER AND ACT AS CROSS FEED CONNECTIONS CREATING AN INTERNAL MANIFOLD.
9. THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
10. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.

CULTEC NO. 410™ NON-WOVEN GEOTEXTILE MAY BE USED WITH CULTEC CONTACTOR® AND RECHARGER® STORMWATER INSTALLATIONS TO PROVIDE A BARRIER THAT PREVENTS SOIL INTRUSION INTO THE STONE.

THE GEOTEXTILE SHALL:

1. BE PROVIDED BY CULTEC, OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
2. BE BLACK IN APPEARANCE.
3. HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M).
4. HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER ASTM D4632.
5. HAVE AN ELONGATION @ BREAK VALUE OF 50% PER ASTM D4632.
6. HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER ASTM D3786.
7. HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER ASTM D4833.
8. HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241.
9. HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533.
10. HAVE A AOS VALUE OF 70 U.S. SIEVE (0.212 MM) PER ASTM D4751.
11. HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491.
12. HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SQ) PER ASTM D4491.
13. HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355.

ADS PLUS-US WOVEN GEOTEXTILE IS DESIGNED AS A UNDERLAYMENT TO PREVENT

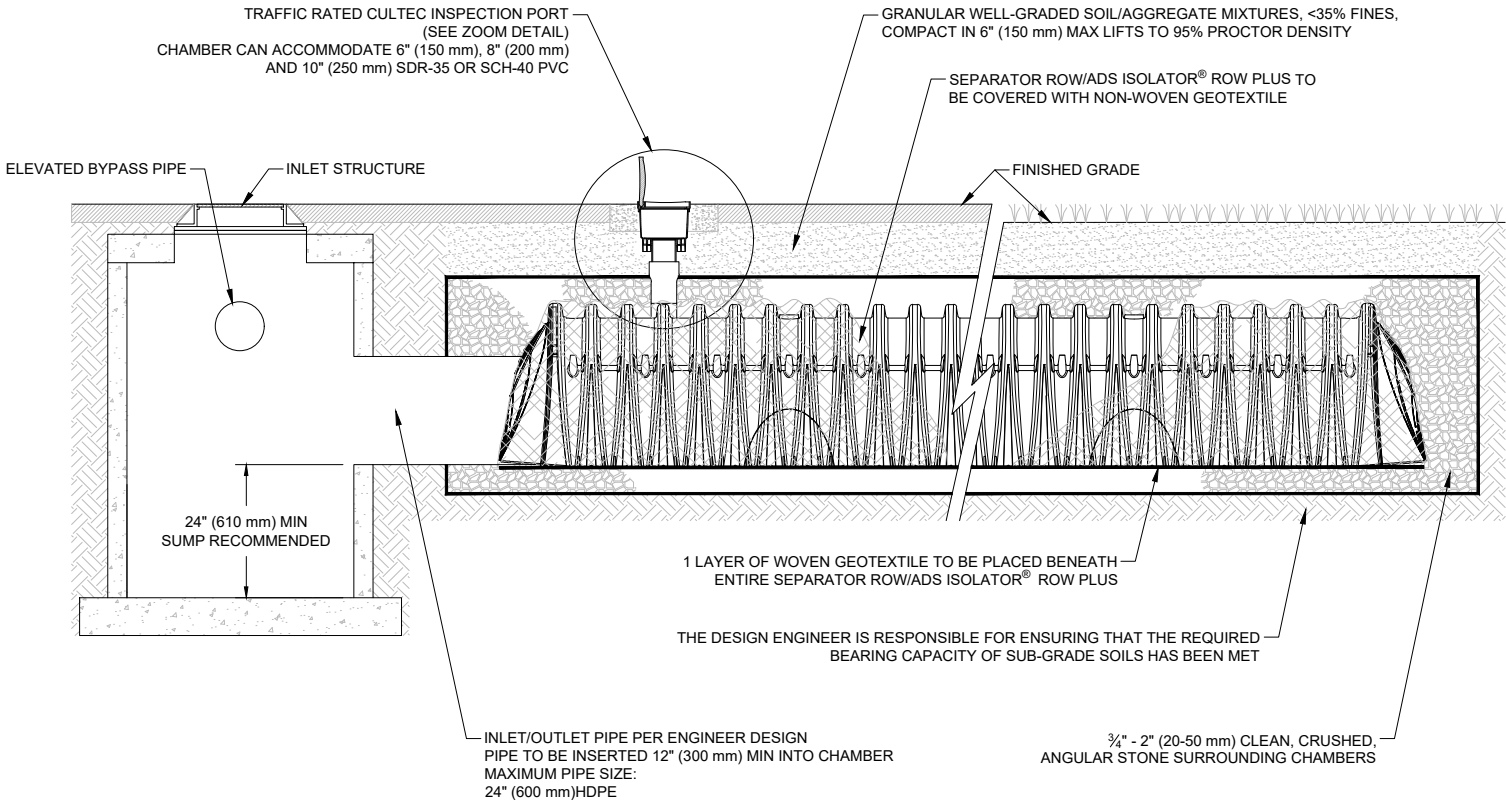
SCOURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC CHAMBERS AND FEED CONNECTORS UTILIZING THE CULTEC MANIFOLD FEATURE. IT MAY ALSO BE USED AS A COMPONENT OF THE CULTEC SEPARATOR ROW/ADS ISOLATOR ROW PLUS TO ACT AS A BARRIER TO PREVENT SOIL/CONTAMINANT INTRUSION INTO THE STONE WHILE ALLOWING FOR MAINTENANCE.

THE GEOTEXTILE SHALL:

1. BE PROVIDED BY CULTEC OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
2. BE BLACK AND WHITE IN APPEARANCE.
3. HAVE A MARY WEIGHT OF 8.0 OZ/YD² PER ASTM D5261.
4. HAVE A GRAB TENSILE STRENGTH OF 325 X 325 LBS (1,445 X 1,445 N) PER ASTM D4632.
5. HAVE A ELONGATION @ BREAK RESISTANCE OF 15 X 15% PER ASTM D4632.
6. HAVE A CBR PUNCTURE RESISTANCE OF 1,124 LBS (5,000 N) PER ASTM D6241.
7. HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 125 X 125 LBS (556 X 556 N) PER ASTM D4533

CULTEC RECHARGER 300HD HEAVY DUTY CROSS SECTION

CULTEC SEPARATOR ROW - CULTEC INSPECTION PORT DETAIL (IF APPLICABLE)



CULTEC 300HD

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CULTEC

Subsurface Stormwater Management Systems

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THESE DRAWINGS WERE PREPARED TO SUPPORT THE SITE DESIGN ENGINEER'S PROPOSED STORMWATER MANAGEMENT SYSTEM DESIGN. IT IS THE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE CULTEC STORMWATER MANAGEMENT SYSTEM DESIGN IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IT IS THE SITE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT THE CULTEC DRAWINGS ARE IN ACCORDANCE WITH THE SITE DESIGN REQUIREMENTS VIA THE SUBMITTAL DRAWING REVIEW PROCESS.