

<p><b>CULTEC RECHARGER® 330XLHD PRODUCT SPECIFICATIONS</b></p> <p><b>GENERAL</b> CULTEC RECHARGER 330XLHD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.</p> <p><b>CHAMBER PARAMETERS</b></p> <ol style="list-style-type: none"> <li>THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, OF BROOKFIELD, CT, USA. (203-775-4416 OR 1-800-428-5832)</li> <li>THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.</li> <li>THE CHAMBER SHALL BE ARCHED IN SHAPE.</li> <li>THE CHAMBER SHALL BE OPEN-BOTTOMED.</li> <li>THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS</li> <li>THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330XLHD SHALL BE 30.5 INCHES (775 mm) TALL, 52 INCHES (1321 mm) WIDE AND 8.5 FEET (2.59 m) LONG. THE INSTALLED LENGTH OF A JOINED RECHARGER 330XLHD SHALL BE 7 FEET (2.13 m).</li> <li>MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 24 INCHES (600 mm) HDPE.</li> <li>THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV® FC-24 FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. THE NOMINAL DIMENSIONS OF EACH SIDE PORTAL SHALL BE 10.5 INCHES (267 mm) HIGH BY 11.5 INCHES (292 mm) WIDE. MAXIMUM ALLOWABLE OUTER DIAMETER (O.D.) PIPE SIZE IN THE SIDE PORTAL IS 11.75 INCHES (298 mm).</li> <li>THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 mm) TALL, 16 INCHES (406 mm) WIDE AND 24.2 INCHES (614 mm) LONG.</li> <li>THE NOMINAL STORAGE VOLUME OF THE RECHARGER 330XLHD CHAMBER SHALL BE 7.459 FT³ / FT (0.693 m³ / m) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 330XLHD SHALL BE 52.213 FT³ / UNIT (1.478 m³ / UNIT) - WITHOUT STONE.</li> <li>THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT³ / FT (0.085 m³ / m) - WITHOUT STONE.</li> <li>THE RECHARGER 330XLHD CHAMBER SHALL HAVE FIFTY-SIX DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNITS CORE TO PROMOTE LATERAL CONVEYANCE OF WATER.</li> <li>THE RECHARGER 330XLHD CHAMBER SHALL HAVE 16 CORRUGATIONS.</li> <li>THE ENDWALL OF THE CHAMBER, WHEN PRESENT, SHALL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH THIS UNIT.</li> <li>THE RECHARGER 330XLHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.</li> <li>THE RECHARGER 330XLHD STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.5 INCHES (876 mm) WIDE.</li> <li>THE RECHARGER 330XLHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY OPEN ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 14 INCHES (356 mm) HIGH X 34.5 INCHES (876 mm) WIDE.</li> <li>THE RECHARGER 330XLHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HAVING NO SEPARATE END PLATES OR END WALLS.</li> <li>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 SHALL FIT INTO THE SIDE PORTALS OF THE RECHARGER 330XLHD AND ACT AS CROSS FEED CONNECTIONS.</li> <li>CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.</li> <li>THE CHAMBER SHALL HAVE A 6 INCH (152 mm) DIAMETER RAISED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEANOUT.</li> <li>THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.</li> <li>THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.</li> <li>MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12 FEET (3.66 m)</li> <li>THE INSTALLED CHAMBER SYSTEM SHALL BE STRUCTURALLY DESIGNED TO PROVIDE RESISTANCE TO LIVE LOADS AS DEFINED BY THE AASHTO H-20/HL-93 SPECIFICATION WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.</li> </ol>	<p><b>FINAL ASSEMBLY</b></p> <p><b>SOLID COVER OPTION</b></p> <p><b>SLOTTED COVER OPTION</b></p> <p><b>PVC BODY PLAN VIEW</b></p> <p><b>PVC BODY ELEVATION VIEW</b></p> <p><b>CULTEC UNIVERSAL INSPECTION PORT KIT DETAIL</b></p>	<p><b>CULTEC RECHARGER 330XLHD HEAVY DUTY END DETAIL INFORMATION</b></p>	<p><b>CULTEC STORMWATER CHAMBER</b></p> <p><b>RECHARGER 330XLHD</b></p> <p><b>DETAIL SHEET</b></p> <p><b>DATE:</b> 09/2024</p> <p><b>CHECKED BY:</b> DPG</p> <p><b>DESIGNED BY:</b> TECH</p> <p><b>SHEET NO:</b> 1 OF 1</p>
<p><b>GENERAL NOTES</b></p> <p>CULTEC RECHARGER 330XLHD CHAMBER STORAGE = 7.459 CF/FT [0.693 m³/m] INSTALLED LENGTH ADJUSTMENT = 1.5' [0.46 m] SIDE PORTAL ACCEPTS CULTEC HVLV FC-24 FEED CONNECTOR</p>	<p><b>CULTEC RECHARGER 330XLHD CROSS SECTION</b></p> <p><b>CULTEC HVLV FC-24 FEED CONNECTOR THREE VIEW</b></p>	<p><b>CULTEC RECHARGER 330XLHD HEAVY DUTY TYPICAL INTERLOCK</b></p> <p><b>FIGURE 1</b></p>	<p><b>CULTEC</b></p> <p>Subsurface Stormwater Management Systems</p> <p>P.O. Box 280 878 Federal Road Brookfield, CT 06804 www.cultec.com</p> <p>PH: 1(203) 775-4416 PH: 1(800) 4-CULTEC CT-tech@cultec.com</p> <p>THE DRAWINGS AND SPECIFICATIONS ARE PREPARED BY CULTEC AND ARE THE PROPERTY OF CULTEC. THE PROJECT ENGINEER OF RECORD HAS REVIEWED THE DRAWINGS AND SPECIFICATIONS AND HAS GIVEN HIS OR HER APPROVAL. THE PROJECT ENGINEER OF RECORD HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO CULTEC UNDER THE DIRECTION OF THE PROJECT ENGINEER OF RECORD. CULTEC DOES NOT ASSUME ANY LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED TO CULTEC. THE PROJECT ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE PROJECT AND FOR THE ACCURACY OF THE INFORMATION PROVIDED TO CULTEC.</p>