GENERAL NOTES

1. CUT SCREW HOLES IN CENTER TO CENTER, 31" [787 mm] SPACING ALONG THE LENGTH OF THE CHAMBER.

2. MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 24 INCHES (600 mm) HDPE.

3. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD.

4. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE) FOR FLEXIBILITY AND RESILIENCE.

5. THE Nominal STORAGE VOLUME OF THE RECHARGER 330XLHD CHAMBER SHALL BE 14,200 GALLONS [54,038 L].

6. THE RECHARGER 330XLHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING NO SEPARATE END PLATES OR END WALLS.

7. THE RECHARGER 330XLHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY OPEN ENDWALL AND ONE PARTIALLY FORMED ENDWALL.

8. THE CHAMBER SHALL BE VACUUM THERMOFORMED USING TWO LARGE RIBS IN A "T" CONFIGURATION.

9. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CENTER TO CENTER DIMENSION.

10. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.15 SEC-1 PER ASTM D4491 TESTING.

11. THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 40 US STD. SIEVE (0.425 MM) PER ASTM D4533 TESTING METHOD.

12. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X 2,448 N) PER ASTM D4533 TESTING METHOD.

13. THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD.

14. THE GEOTEXTILE SHALL HAVE A TORSION STABILITY OF 35° PER ASTM D4751 TESTING.

15. THE GEOTEXTILE SHALL HAVE A SINGAPOREAN OPENING OF 0.029" [0.74 MM] PER ASTM D4751 TESTING.

16. THE UNITS SHALL BE LEFT TO SOAK FOR 24 HOURS BEFORE INSTALLATION.

17. THE UNITS SHALL BE LEFT TO SIT FOR 24 HOURS BEFORE INSTALLATION TO ALLOW THE CONCRETE TO HARDEN.

18. THE RECHARGER 330XLIHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.

19. THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING NO SEPARATE END PLATES OR END WALLS.

20. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.15 SEC-1 PER ASTM D4491 TESTING.

21. THE UNITS SHALL BE LEFT TO SOAK FOR 24 HOURS BEFORE INSTALLATION.

22. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X 2,448 N) PER ASTM D4533 TESTING METHOD.

23. THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD.

24. THE GEOTEXTILE SHALL HAVE A TORSION STABILITY OF 35° PER ASTM D4751 TESTING METHOD.

25. THE GEOTEXTILE SHALL HAVE A SINGAPOREAN OPENING OF 0.029" [0.74 MM] PER ASTM D4751 TESTING.

26. THE UNITS SHALL BE LEFT TO SOAK FOR 24 HOURS BEFORE INSTALLATION.

27. THE UNITS SHALL BE LEFT TO SIT FOR 24 HOURS BEFORE INSTALLATION TO ALLOW THE CONCRETE TO HARDEN.

CULTEC RECHARGER 330XLHD HEAVY DUTY THREE VIEW

CULTEC RECHARGER 330XLHD HEAVY DUTY CROSS SECTION

CULTEC RECHARGER 330XLHD HEAVY DUTY TYPICAL INTERLOCK

CULTEC RECHARGER 330XLHD HEAVY DUTY PLAN VIEW

CULTEC RECHARGER 330XLHD HEAVY DUTY END DETAIL INFORMATION

CULTEC RECHARGER STORMWATER CHAMBER AND ACT AS CROSS FEED CONNECTIONS CREATING AN INTERNAL SEPARATOR ROW.

4800 WOVEN GEOTEXTILE IS DESIGNED AS A UNDERLAYMENT TO PREVENT SCOURING AND PROVIDE A BARRIER THAT PREVENTS SOIL INTRUSION ALONG THE LENGTH OF THE CHAMBER.

CULTEC SEPARATOR ROW

CULTEC NO. 410 NON-WOVEN GEOTEXTILE

SIDE PORTAL ACCEPTS CULTEC HVLV FC-24 FEED CONNECTOR

CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.

THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD.

THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE) FOR FLEXIBILITY AND RESILIENCE.

THE Nominal STORAGE VOLUME OF THE RECHARGER 330XLHD CHAMBER SHALL BE 14,200 GALLONS [54,038 L].

THE CHAMBER SHALL BE VACUUM THERMOFORMED USING TWO LARGE RIBS IN A "T" CONFIGURATION.

THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.15 SEC-1 PER ASTM D4491 TESTING.

THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 40 US STD. SIEVE (0.425 MM) PER ASTM D4533 TESTING METHOD.

THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X 2,448 N) PER ASTM D4533 TESTING METHOD.

THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD.

THE GEOTEXTILE SHALL HAVE A TORSION STABILITY OF 35° PER ASTM D4751 TESTING METHOD.

THE GEOTEXTILE SHALL HAVE A SINGAPOREAN OPENING OF 0.029" [0.74 MM] PER ASTM D4751 TESTING.

THE UNITS SHALL BE LEFT TO SOAK FOR 24 HOURS BEFORE INSTALLATION.

THE UNITS SHALL BE LEFT TO SIT FOR 24 HOURS BEFORE INSTALLATION TO ALLOW THE CONCRETE TO HARDEN.
ENSURING THAT THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS HAS BEEN MET, THE PROJECT ENGINEER OF RECORD OR GEOTECHNICAL CONSULTANT IS RESPONSIBLE FOR BENEATH INLET PIPES.

CULTEC NO. 4800 WOVEN GEOTEXTILE TO BE PLACED BENEATH INTERNAL MANIFOLD

6.0 INCH [152 mm] MIN. DEPTH OF 7.5' [2.29 m] MIN.

6.0" [150 mm] SDR-35 / SCH. 40 PVC RISER

BOTTOM PER ENGINEER'S DESIGN PREFERENCE

CULTEC NO. 410 NON-WOVEN GEOTEXTILE

NATURALLY COMPACTED FILL

FINISHED GRADE

(SEE ZOOM DETAIL)

24" [600 mm] PVC

1-2 INCH [25-50 mm] WASHED, CRUSHED PIPE TO BE INSERTED 12.0" [305 mm] MIN. INTO CHAMBER

ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.

1. THE RECHARGER 330XLEHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER

2. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT

3. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491 TESTING METHOD.

4. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241 TESTING METHOD.

5. THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER ASTM D3786 TESTING METHOD.

6. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER D4595 TESTING METHOD.

7. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 5% STRAIN OF 2,740 X 2,740 LBS/FT

8. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

9. THE GEOTEXTILE SHALL HAVE A VASP@5000 VALUE OF 69% PER ASTM D4354 TESTING METHOD.

10. THE GEOTEXTILE SHALL HAVE A VASP@10,000 VALUE OF 52% PER ASTM D4354 TESTING METHOD.

11. TRIM CUT-OUT

12. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY"

13. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

14. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 5% STRAIN OF 2,740 X 2,740 LBS/FT

15. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491 TESTING METHOD.

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30. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER D4595 TESTING METHOD.

31. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT

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34. THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER ASTM D3786 TESTING METHOD.

35. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER D4595 TESTING METHOD.

36. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 5% STRAIN OF 2,740 X 2,740 LBS/FT

37. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

38. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 5% STRAIN OF 2,740 X 2,740 LBS/FT

39. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491 TESTING METHOD.

40. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241 TESTING METHOD.

41. THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER ASTM D3786 TESTING METHOD.

42. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER D4595 TESTING METHOD.