CULTEC CONTACTOR 100HD HEAVY DUTY THREE VIEW

CULTEC CONTACTOR 100HD HEAVY DUTY PLAN VIEW

CULTEC CONTACTOR 100HD HEAVY DUTY SYSTEM CROSS SECTION

CULTEC STORMWATER CHAMBER

CULTEC CONTACTOR 100HD HEAVY DUTY TYPICAL INTERLOCK

CULTEC MANIFOLD - OPTIONAL INSPECTION PORT DETAIL

CULTEC CONTACTOR 100HD DETAIL SHEET

TRAFFIC APPLICATION

PROJECT NO:

DATE:

2018

DRAWN BY:

CULTEC, INC.]

CHECKED BY:

TECH

SCALE:

N.T.S.

SHEET NO:

1 OF 1

CULTEC STORMWATER CHAMBER

THIS DRAWING WAS PREPARED TO SUPPORT THE PROJECT ENGINEER OF RECORD FOR THE PROPOSED SYSTEM. IT IS THE ULTIMATE RESPONSIBILITY OF THE PROJECT ENGINEER OF RECORD TO ENSURE THAT THE CULTEC SYSTEMS, PRODUCTS, AND MATERIALS ARE INSTALLED AND USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF RECORDS RESPONSIBILITY TO ENSURE THAT THE CULTEC PRODUCTS ARE DESIGNED IN ACCORDANCE WITH CULTEC’S MINIMUM REQUIREMENTS. CULTEC DOES NOT APPROVE PLANS, SIZINGS, OR SYSTEM DESIGNS.

CULTEC CONTACTOR 100HD HEAVY DUTY END DETAIL INFORMATION

GENERAL NOTES

1. INSTALLED LENGTH OF A JOINED CONTACTOR 100HD SHALL BE 7.5 FEET (2.29 m).
2. MAXIMUM ALLOWED COVER ON TOP OF UNIT SHALL BE 3'3" (1000 mm)
3. INSTALLED LENGTH ADJUSTMENT = 0.5' (0.15 m)
4. MAX. PIPE: 8.0" [203 mm] MIN. FOR PAVED
5. 13.5" [343 mm] TALL, 36 INCHES (914 mm) WIDE AND 19.7 INCHES (500 mm) LONG.
6. 6.9 INCHES (175 mm).
7. 10.0" [250 mm] HDPE PIPE TO BE INSERTED 12.0" [305 mm] MIN. INTO CHAMBER.
8. THE CHAMBER SHALL BE OPEN-BOTTOMED.
9. THE CHAMBER SHALL BE ARCHED IN SHAPE.
10. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED.
11. THE CHAMBER SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT.
12. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9003 CERTIFIED FACILITY.
13. THE CHAMBER SHALL BE MADE OF DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
14. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.
15. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 80% @ 500 HRS. PER ASTM D4355 TESTING METHOD.
16. THE GEOTEXTILE SHALL HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 180 X 180 LBS (801 X 801 N) PER ASTM D4595 TESTING METHOD.
17. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.
18. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.
19. THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER ASTM D4833 TESTING METHOD.
20. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.
21. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 80% @ 500 HRS. PER ASTM D4355 TESTING METHOD.
22. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.
23. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.
24. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.

OPTIONAL INSPECTION PORT - ZOOM DETAIL

CULTEC MANIFOLD - OPTIONAL INSPECTION PORT DETAIL

CULTEC CONTACTOR 100HD HEAVY DUTY TYPICAL INTERLOCK

CULTEC CONTACTOR 100HD HEAVY DUTY SYSTEM CROSS SECTION

CULTEC CONTACTOR 100HD HEAVY DUTY PLAN VIEW

CULTEC CONTACTOR 100HD HEAVY DUTY THREE VIEW

CULTEC CONTACTOR 100HD HEAVY DUTY END DETAIL INFORMATION

GENERAL NOTES

1. INSTALLED LENGTH OF A JOINED CONTACTOR 100HD SHALL BE 7.5 FEET (2.29 m).
2. MAXIMUM ALLOWED COVER ON TOP OF UNIT SHALL BE 3'3" (1000 mm)
3. INSTALLED LENGTH ADJUSTMENT = 0.5' (0.15 m)
4. MAX. PIPE: 8.0" [203 mm] MIN. FOR PAVED
5. 13.5" [343 mm] TALL, 36 INCHES (914 mm) WIDE AND 19.7 INCHES (500 mm) LONG.
6. 6.9 INCHES (175 mm).
7. 10.0" [250 mm] HDPE PIPE TO BE INSERTED 12.0" [305 mm] MIN. INTO CHAMBER.
8. THE CHAMBER SHALL BE OPEN-BOTTOMED.
9. THE CHAMBER SHALL BE ARCHED IN SHAPE.
10. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED.
11. THE CHAMBER SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT.
12. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9003 CERTIFIED FACILITY.
13. THE CHAMBER SHALL BE MADE OF DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
14. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.
15. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 80% @ 500 HRS. PER ASTM D4355 TESTING METHOD.
16. THE GEOTEXTILE SHALL HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 180 X 180 LBS (801 X 801 N) PER ASTM D4595 TESTING METHOD.
17. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.
18. THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER ASTM D4833 TESTING METHOD.
19. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.
20. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.
21. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.
22. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.
23. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS (4,270 X 4,934 N) PER ASTM D4595 TESTING METHOD.
24. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.
CULTEC CONTACTOR 100HD CHAMBER STORAGE = 1.866 CF/FT [0.173 m³/m] (ACCOMMODATES CULTEC HVLV SFCX2 FEED CONNECTOR OR STORM PIPE)

THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 80% @ 500 HRS. PER ASTM D4355 TESTING

THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER ASTM D4491 TESTING METHOD.

THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT

THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 1,700 LBS (7,560 N) PER ASTM D6241 TESTING METHOD.

THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER ASTM D4632 TESTING METHOD.

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 UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

THE GEOTEXTILE SHALL HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M).