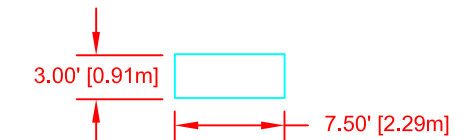
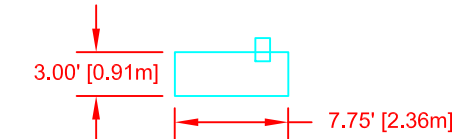


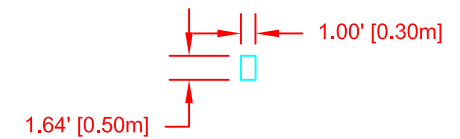
CONTACTOR 100 RHD STARTER



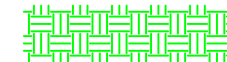
CONTACTOR 100 EHD INTERMEDIATE



CONTACTOR 100 EHD END



HVLV SFCx2 FEED CONNECTOR



CULTEC No. 20L POLYETHYLENE LINER

Using AutoCAD Array Function:

1. Add Alternate Units to your Dimension Style and use 0.3048 as the Multiplier
2. Using the Rectangle command, create the three chamber outlines and the feed connectors:
 Starter: 3.00' x 7.75'
 Intermediate: 3.00' x 7.50'
 End: 3.00' x 7.75'
 Feed Connector: 1.00' x 1.64'
3. Hatch the Starter and End chambers to differentiate them. Place a feed connector (as shown) at one end of the starter and end chambers.
4. Select the Intermediate chamber and select the array command.
5. Specify the number of rows and columns (ex. 8 rows, 8 columns). *Do not include the starter and end chambers in column count.*
6. The chambers should be oriented horizontally (as shown). Set the row offset to 3.33' and the column offset to 7.75'. The rotation angle should be 0.
7. Click accept to create the bed.
8. Using the Rectangle command to surround the bed. Offset the rectangle 1' to represent the stone border.
9. Using the Rectangle command create a polyethylene liner underneath the feed connectors at both ends of the bed. It should be 10' wide and span the width of the bed. Apply correct hatching and label the liner.

MATERIALS LIST

Item	Quantity	Unit
CONTACTOR 100RHD STARTER	xx	PIECES
CONTACTOR 100EHD END	xx	PIECES
HVLV SFCx2 FEED CONNECTOR	xx	PIECES
CULTEC No. 410 FILTER FABRIC	xx	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	xx	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	xx	CUBIC YARDS
VOLUME OF EXCAVATION	xx	CUBIC YARDS

CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: XXXX c.f.
STORAGE PROVIDED: XXXX c.f.



CULTEC, Inc.

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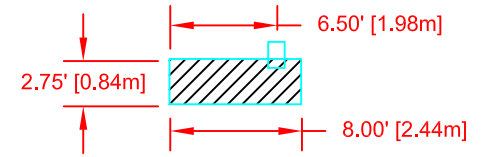
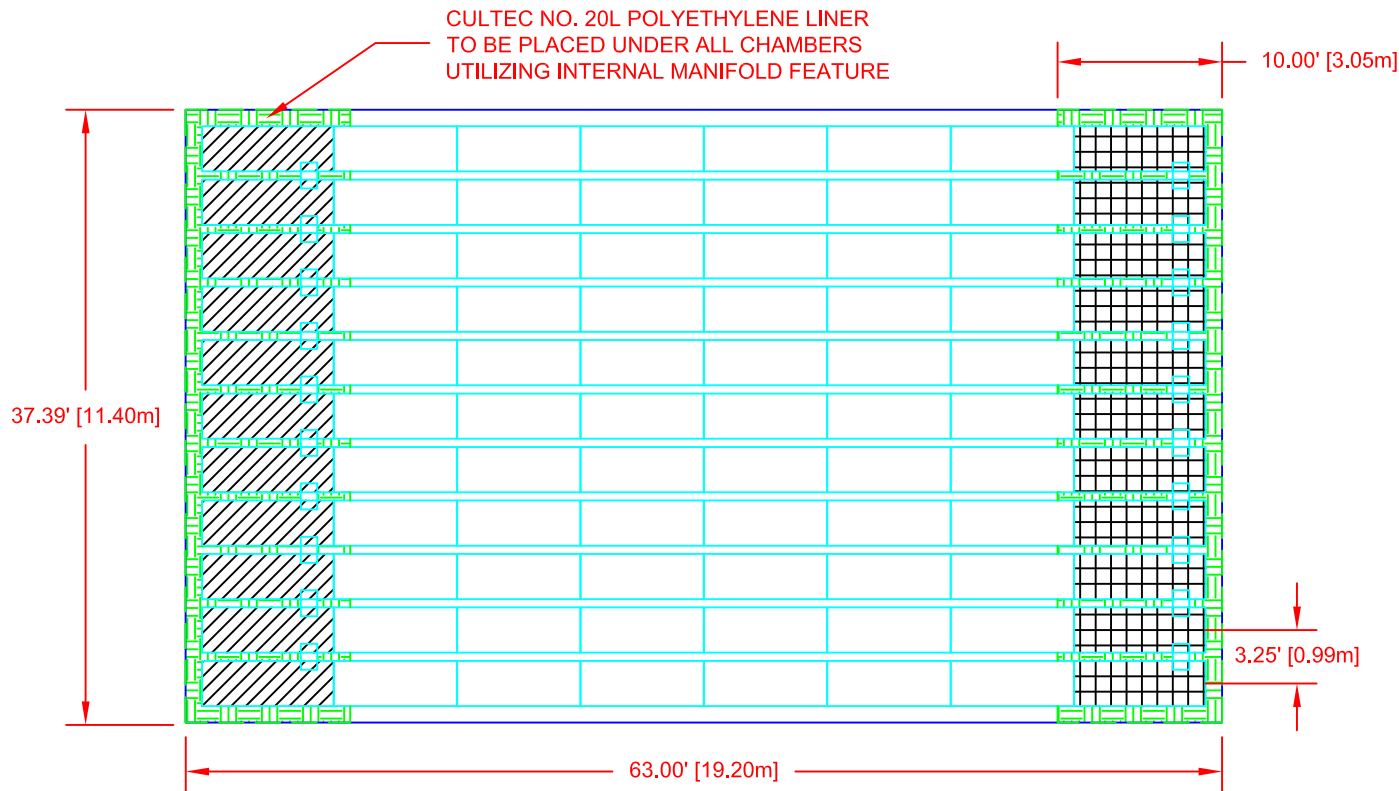
THIS DRAWING WAS PREPARED TO SUPPORT THE DESIGN ENGINEER FOR THE PROPOSED SYSTEM. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ASSURE THAT THE STORMWATER SYSTEMS DESIGN IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT THE CULTEC PRODUCTS ARE DESIGNED IN ACCORDANCE WITH CULTEC'S MINIMUM REQUIREMENTS. CULTEC INC. DOES NOT APPROVE PLANS, SIZING, OR SYSTEM DESIGNS. THE DESIGNING ENGINEER IS RESPONSIBLE FOR ALL DESIGN DECISIONS.

DESIGN AIDE

CULTEC STORMWATER MANAGEMENT SYSTEM
 CULTEC CONTACTOR 100 HD

CULTEC CONTACTOR 100 HD

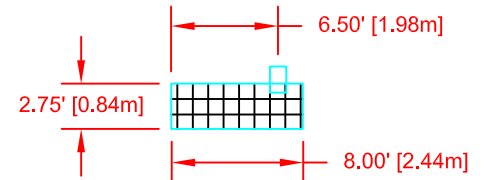
PROJECT NO: 10-	DATE: 2-25-10
DESIGNED BY: CULTEC, INC.	DRAWN BY: TECH
SCALE: N.T.S.	SHEET NO: 1 OF 1



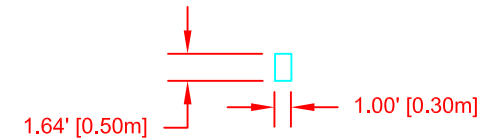
RECHARGER 150 SHD STARTER



RECHARGER 150 IHD INTERMEDIATE



RECHARGER 150 EHD END



HVLV SFCx2 FEED CONNECTOR



CULTEC No. 20L POLYETHYLENE LINER

Using AutoCAD Array Function:

1. Add Alternate Units to your Dimension Style and use 0.3048 as the Multiplier
2. Using the Rectangle command, create the three chamber outlines and the feed connectors:
 Starter: 2.75' x 8.00'
 Intermediate: 2.75' x 7.50'
 End: 2.75' x 8.00'
 Feed Connector: 1.00' x 1.64'
3. Hatch the Starter and End chambers to differentiate them. Place a feed connector (as shown) at one end of the starter and end chambers.
4. Select the Intermediate chamber and select the array command.
5. Specify the number of rows and columns (ex. 8 rows, 8 columns). *Do not include the starter and end chambers in column count.*
6. The chambers should be oriented horizontally (as shown). Set the row offset to 3.25' and the column offset to 7.50'. The rotation angle should be 0.
7. Click accept to create the bed.
8. Using the Rectangle command to surround the bed. Offset the rectangle 1' to represent the stone border.
9. Using the Rectangle command create a polyethylene liner underneath the feed connectors at both ends of the bed. It should be 10' wide and span the width of the bed. Apply correct hatching and label the liner.

MATERIALS LIST

Item	Quantity	Unit
RECHARGER 150SHD STARTER	xx	PIECES
RECHARGER 150IHD INTERMEDIATE	xx	PIECES
RECHARGER 150EHD END	xx	PIECES
CULTEC HVLV SFCx2 FEED CONNECTOR	xx	PIECES
CULTEC No. 410 FILTER FABRIC	xx	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	xx	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	xx	CUBIC YARDS
VOLUME OF EXCAVATION	xx	CUBIC YARDS

CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: XXXX c.f.
STORAGE PROVIDED: XXXX c.f.



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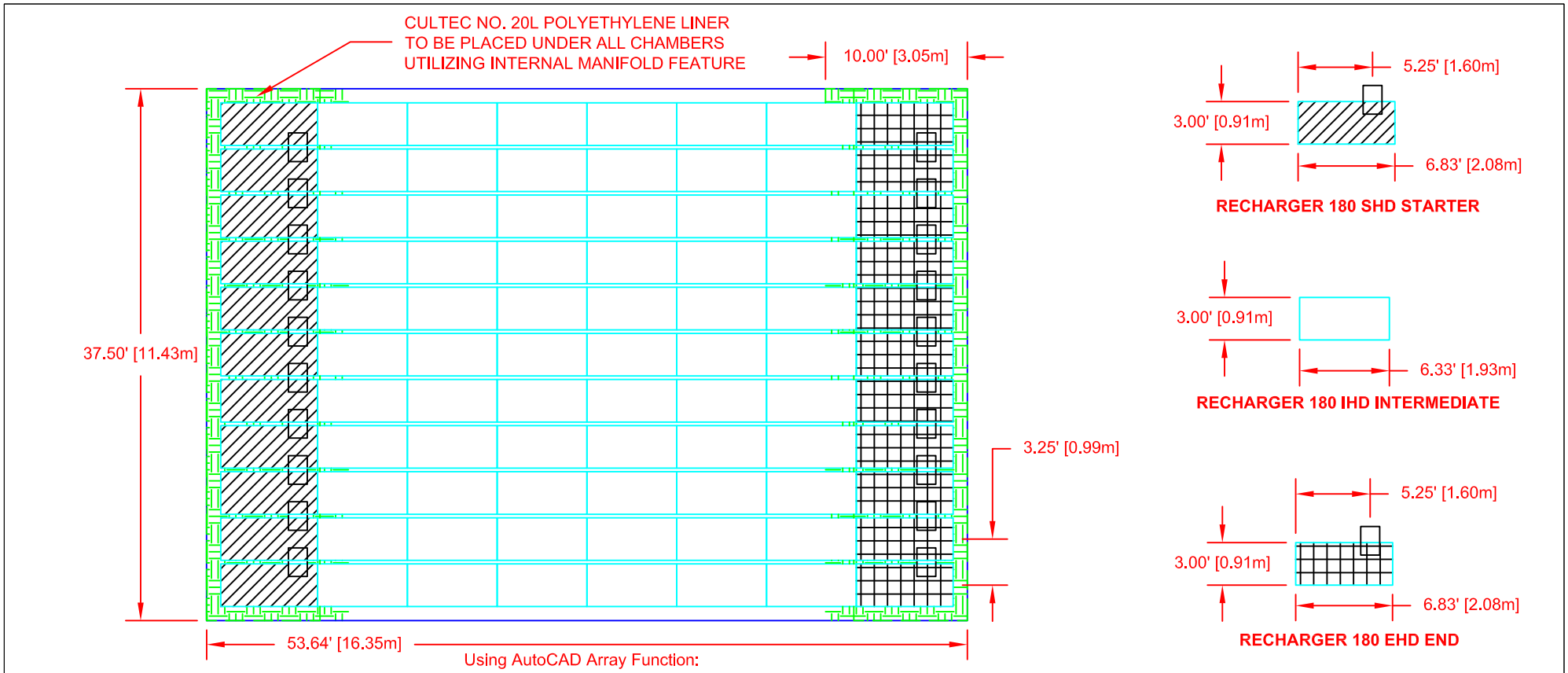
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BED DESIGN AIDE

CULTEC STORMWATER MANAGEMENT SYSTEM
 CULTEC RECHARGER 150 HD

CULTEC RECHARGER 150HD

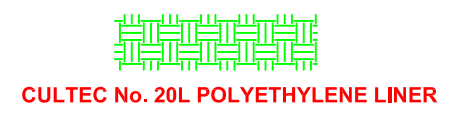
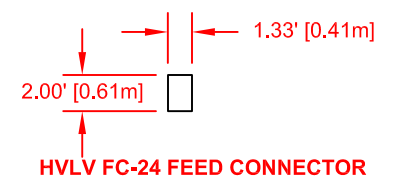
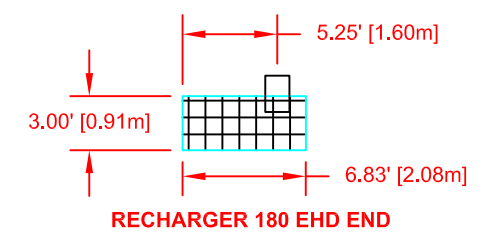
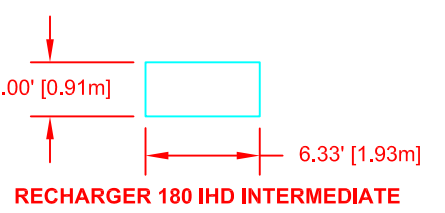
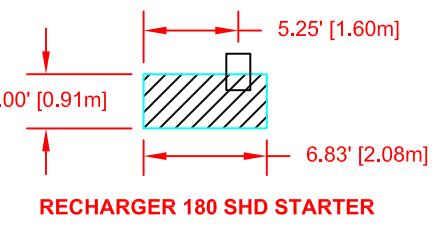
PROJECT NO: 10-	DATE: 2-25-10
DESIGNED BY: CULTEC, INC.	DRAWN BY: TECH
SCALE: N.T.S.	SHEET NO: 1 OF 1



Using AutoCAD Array Function:

1. Add Alternate Units to your Dimension Style and use 0.3048 as the Multiplier
2. Using the Rectangle command, create the three chamber outlines and the feed connectors:
 Starter: 3.00' x 6.83'
 Intermediate: 3.00' x 6.33'
 End: 3.00' x 6.83'
 Feed Connector: 1.33' x 2'
3. Hatch the Starter and End chambers to differentiate them. Place a feed connector (as shown) at one end of the starter and end chambers.
4. Select the Intermediate chamber and select the array command.
5. Specify the number of rows and columns (ex. 8 rows, 8 columns). *Do not include the starter and end chambers in column count.*
6. The chambers should be oriented horizontally (as shown). Set the row offset to 3.25' and the column offset to 6.33'. The rotation angle should be 0.
7. Click accept to create the bed.
8. Using the Rectangle command to surround the bed. Offset the rectangle 1' to represent the stone border.
9. Using the Rectangle command create a polyethylene liner underneath the feed connectors at both ends of the bed. It should be 10' wide and span the width of the bed. Apply correct hatching and label the liner.

MATERIALS LIST		
RECHARGER 180SHD STARTER	xx	PIECES
RECHARGER 180IHD INTERMEDIATE	xx	PIECES
RECHARGER 180EHD END	xx	PIECES
HVLV FC-24 FEED CONNECTORS	xx	PIECES
CULTEC No. 410 FILTER FABRIC	xx	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	xx	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	xx	CUBIC YARDS
VOLUME OF EXCAVATION	xx	CUBIC YARDS



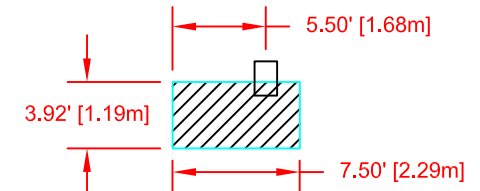
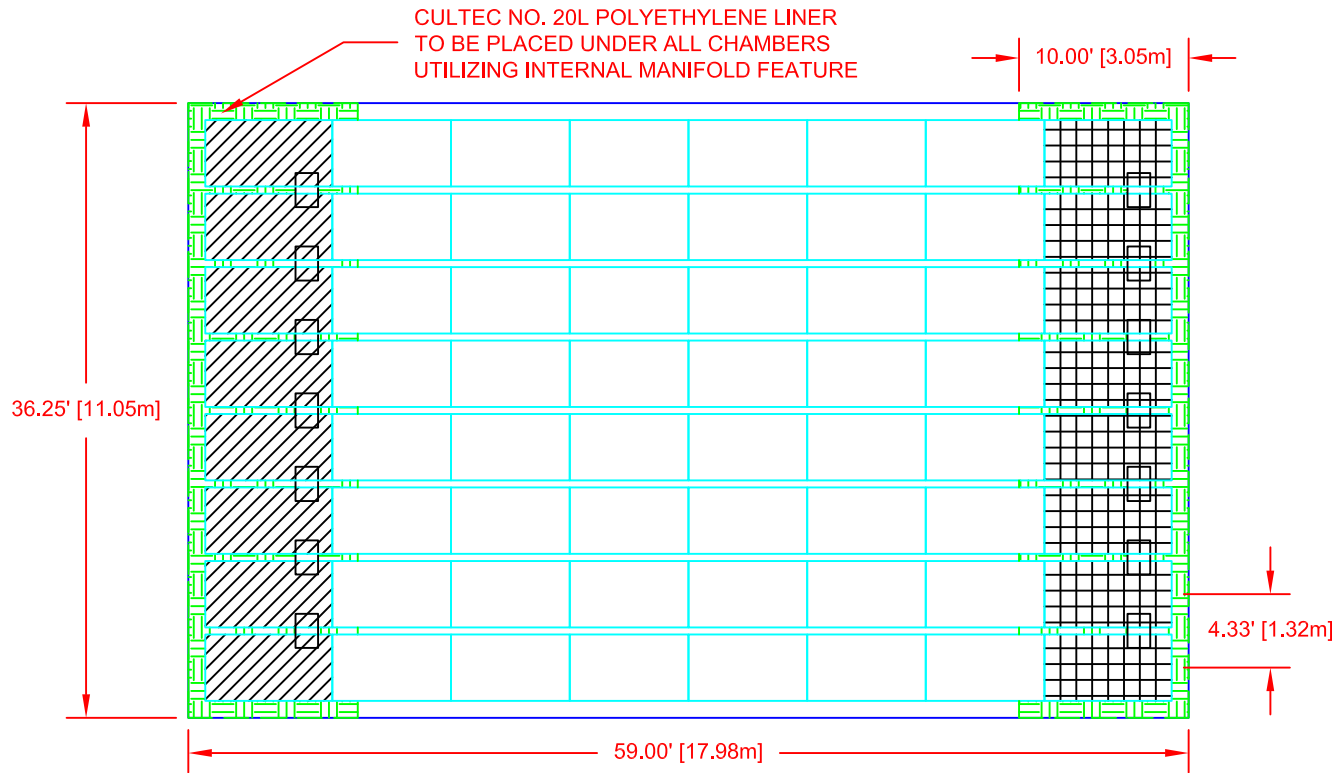
CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: XXXX c.f.
STORAGE PROVIDED: XXXX c.f.

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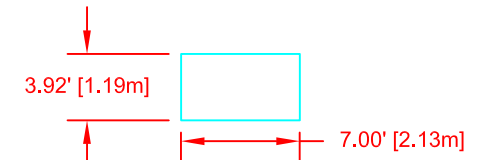
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DESIGN AIDE
 CULTEC STORMWATER MANAGEMENT SYSTEM
 CULTEC RECHARGER 180 HD

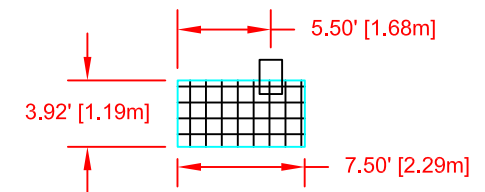
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PROJECT NO: 10-	DATE: 2-25-10
DESIGNED BY: CULTEC, INC.	DRAWN BY: TECH
SCALE: N.T.S.	SHEET NO: 1 OF 1



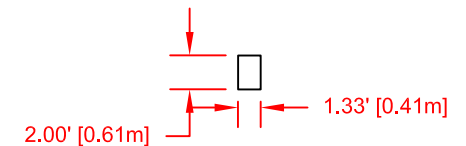
RECHARGER 280 SHD STARTER



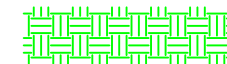
RECHARGER 280 IHD INTERMEDIATE



RECHARGER 280 EHD END



HVLV FC-24 FEED CONNECTOR



CULTEC No. 20L POLYETHYLENE LINER

Using AutoCAD Array Function:

1. Add Alternate Units to your Dimension Style and use 0.3048 as the Multiplier
2. Using the Rectangle command, create the three chamber outlines and the feed connectors:
 Starter: 3.92' x 7.50'
 Intermediate: 3.92' x 7.00'
 End: 3.92' x 7.50'
 Feed Connector: 1.33' x 2'
3. Hatch the Starter and End chambers to differentiate them. Place a feed connector (as shown) at one end of the starter and end chambers.
4. Select the Intermediate chamber and select the array command.
5. Specify the number of rows and columns (ex. 8 rows, 8 columns). *Do not include the starter and end chambers in column count.*
6. The chambers should be oriented horizontally (as shown). Set the row offset to 4.33' and the column offset to 7'. The rotation angle should be 0.
7. Click accept to create the bed.
8. Using the Rectangle command to surround the bed. Offset the rectangle 1' to represent the stone border.
9. Using the Rectangle command create a polyethylene liner underneath the feed connectors at both ends of the bed. It should be 10' wide and span the width of the bed. Apply the correct hatching and label the liner.

MATERIALS LIST

DESCRIPTION	QUANTITY	UNIT
RECHARGER 280SHD STARTER	xx	PIECES
RECHARGER 280IHD INTERMEDIATE	xx	PIECES
RECHARGER 280EHD END	xx	PIECES
HVLV FC-24 FEED CONNECTORS	xx	PIECES
CULTEC No. 410 FILTER FABRIC	xx	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	xx	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	xx	CUBIC YARDS
VOLUME OF EXCAVATION	xx	CUBIC YARDS

CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: XXXX c.f.
STORAGE PROVIDED: XXXX c.f.



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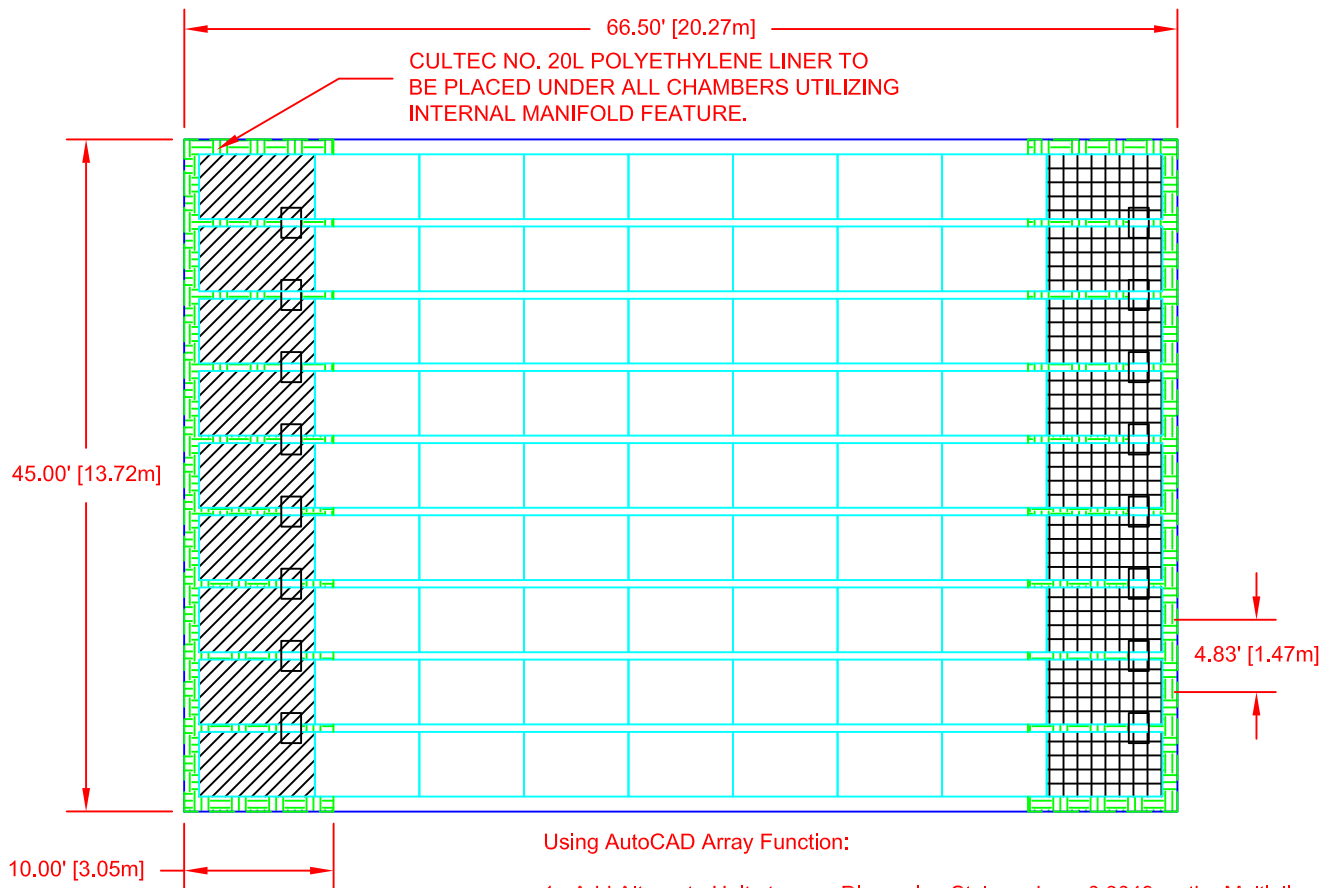
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DESIGN AIDE

CULTEC STORMWATER MANAGEMENT SYSTEM
 CULTEC RECHARGER 280 HD

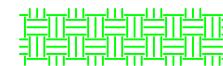
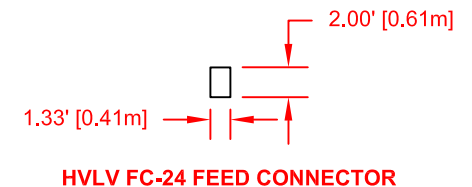
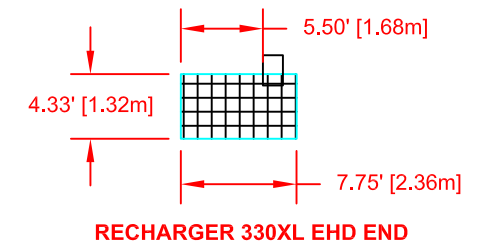
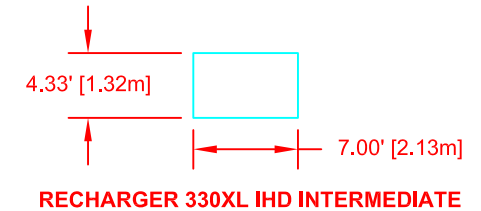
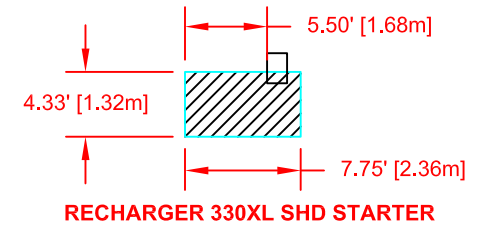
CULTEC RECHARGER 280HD

PROJECT NO: 10-	DATE: 2-25-10
DESIGNED BY: CULTEC, INC.	DRAWN BY: TECH
SCALE: N.T.S.	SHEET NO: 1 OF 1



Using AutoCAD Array Function:

1. Add Alternate Units to your Dimension Style and use 0.3048 as the Multiplier
2. Using the Rectangle command, create the three chamber outlines and the feed connectors:
 Starter: 4.33' x 7.75'
 Intermediate: 4.33' x 7.00'
 End: 4.33' x 7.75'
 Feed Connector: 1.33' x 2'
3. Hatch the Starter and End chambers to differentiate them. Place a feed connector (as shown) at one end of the starter and end chambers.
4. Select the Intermediate chamber and select the array command.
5. Specify the number of rows and columns (ex. 10 rows, 7 columns). *Do not include the starter and end chambers in column count.*
6. The chambers should be oriented horizontally (as shown). Set the row offset to 4.83' and the column offset to 7'. The rotation angle should be 0.
7. Click accept to create the bed.
8. Using the Rectangle command to surround the bed. Offset the rectangle 1' to represent the stone border.
9. Using the Rectangle command create a polyethylene liner underneath the feed connectors at both ends of the bed. It should be 10' wide and span the width of the bed. Apply correct hatching and label the liner.



CULTEC No. 20L POLYETHYLENE LINER

CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: XXXX c.f.
STORAGE PROVIDED: XXXX c.f.

MATERIALS LIST

DESCRIPTION	QUANTITY	UNIT
RECHARGER 330XL SHD STARTER	xx	PIECES
RECHARGER 330XL IHD INTERMEDIATE	xx	PIECES
RECHARGER 330XL EHD END	xx	PIECES
HVLV FC-24 FEED CONNECTORS	xx	PIECES
CULTEC No. 410 FILTER FABRIC	xx	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	xx	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	xx	CUBIC YARDS
VOLUME OF EXCAVATION	xx	CUBIC YARDS



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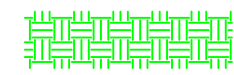
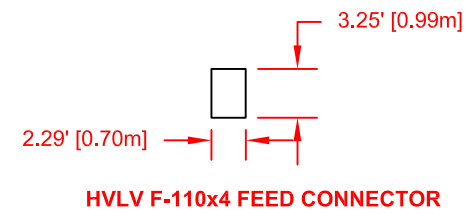
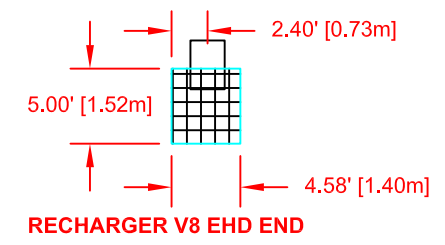
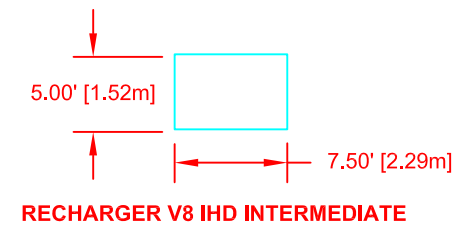
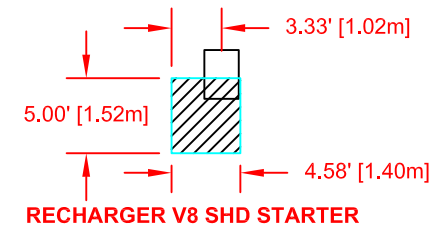
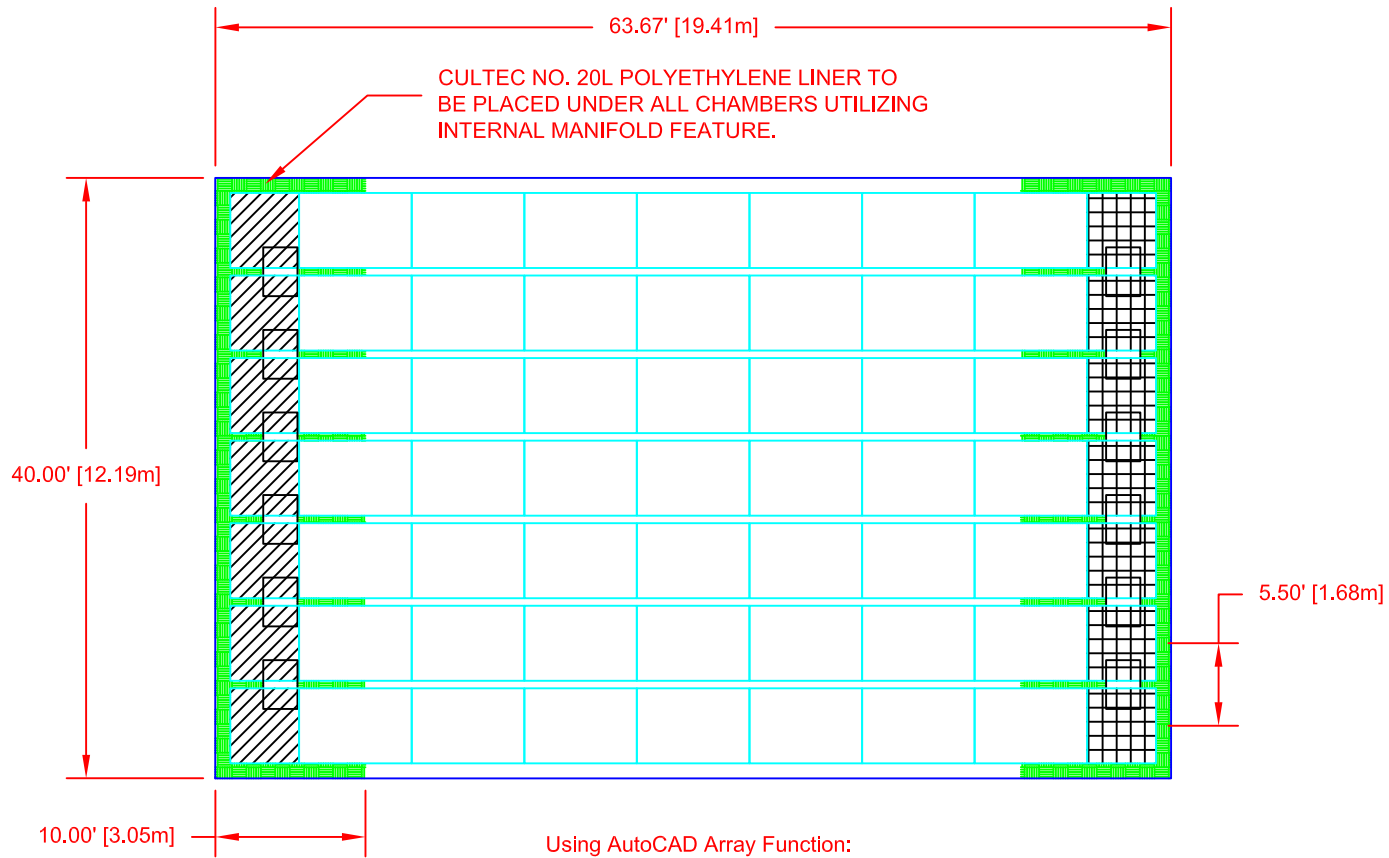
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DESIGN AIDE

CULTEC STORMWATER MANAGEMENT SYSTEM
 CULTEC RECHARGER 330XL HD

CULTEC RECHARGER 330XL HD

PROJECT NO: 10-	DATE: 02/2010
DESIGNED BY: CULTEC, INC.	DRAWN BY: TECH
SCALE: N.T.S.	SHEET NO: 1 OF 1



CULTEC NO. 20L POLYETHYLENE LINER

CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: XXXX c.f.
STORAGE PROVIDED: XXXX c.f.

Using AutoCAD Array Function:

1. Add Alternate Units to your Dimension Style and use 0.3048 as the Multiplier
2. Using the Rectangle command, create the three chamber outlines and the feed connectors:
 Starter: 5.00' x 4.58'
 Intermediate: 5.00' x 7.50'
 End: 5.00' x 4.58'
 Feed Connector: 2.29' x 3.25'
3. Hatch the Starter and End chambers to differentiate them. Place a feed connector (as shown) at one end of the starter and end chambers.
4. Select the Intermediate chamber and select the array command.
5. Specify the number of rows and columns (ex. 10 rows, 7 columns). *Do not include the starter and end chambers in column count.*
6. The chambers should be oriented horizontally (as shown). Set the row offset to 5.50' and the column offset to 7.50'. The rotation angle should be 0.
7. Click accept to create the bed.
8. Using the Rectangle command to surround the bed. Offset the rectangle 1' to represent the stone border.
9. Using the Rectangle command create a polyethylene liner underneath the feed connectors at both ends of the bed. It should be 10' wide and span the width of the bed. Apply correct hatching and label the liner.

MATERIALS LIST

DESCRIPTION	QUANTITY	UNIT
RECHARGER V8SHD STARTER	xx	PIECES
RECHARGER V8IHD INTERMEDIATE	xx	PIECES
RECHARGER V8EHD END	xx	PIECES
HVLV F-110x4 FEED CONNECTORS	xx	PIECES
CULTEC No. 410 FILTER FABRIC	xx	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	xx	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	xx	CUBIC YARDS
VOLUME OF EXCAVATION	xx	CUBIC YARDS

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DESIGN AIDE
 CULTEC STORMWATER MANAGEMENT SYSTEM
 CULTEC RECHARGER V8 HD

CULTEC RECHARGER V8HD	
PROJECT NO: 10-	DATE: 03-04-2010
DESIGNED BY: CULTEC, INC.	DRAWN BY: TECH
SCALE: N.T.S.	SHEET NO: 1 OF 1