NOTES:
1. CITY ENGINEER MAY PERMIT ALTERNATE CHAMBER CONFIGURATIONS DEPENDING ON SITE CONDITIONS.
2. COARSE AGGREGATES SHALL CONSIST OF 1" TO 2" WASHED STONE OR IDOT GRADATION CA-1.
3. SEE PLANS FOR LENGTH (L) DIMENSION.
4. THE VERTICAL RISERS SHALL BE SPACED AT THE FOLLOWING INCREMENTS AT A MAXIMUM OF 6 FEET APART WITH ONE LOCATED AT EACH END OF THE TRENCH DRAIN. (SEE CHART)

<table>
<thead>
<tr>
<th>LENGTH OF TRENCH</th>
<th>NUMBER OF RISERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;=12'</td>
<td>2</td>
</tr>
<tr>
<td>13' - 24'</td>
<td>3</td>
</tr>
<tr>
<td>25' - 36'</td>
<td>4</td>
</tr>
<tr>
<td>37' - 50'</td>
<td>5</td>
</tr>
</tbody>
</table>
5. INFILTRATION TRENCH SHALL BE PLACED IN A MINIMUM 6 FOOT WIDE RECORDED STORMWATER MANAGEMENT EASEMENT

INFLTRATOR QUICK 4 EQUALIZER 36 CHAMBER

COARSE AGGREGATE (NOTE 2)

GEOTECHNICAL FILTER FABRIC ON ALL VERTICAL TRENCH WALLS AND ACROSS TOP

VERTICAL RISERS (TYP.)

VERTICAL RISER WITH PVC OPEN GRATE AT SURFACE, SEE NOTE 4

MIN 12"

MIN 24"

MAX 24"

8" MIN

12"

13' (Example Length)

12'

VERTICAL RISER WITH PVC OPEN GRATE AT SURFACE, SEE NOTE 4

NOT TO SCALE

INFLTRATION TRENCH

Revised:
1. KL 4/16/2020
2. 
3. 
4. 

Drawing Name

Drawing Number

UD-05

Date: 08/01/2019

Drawn 

Checked 

DD 

MM

/ENGINEERING AND BUILDING ENGINEERING DETAILS AND STANDARDS:

City of Crystal Lake, Illinois