




## Cistern Inspection and Maintenance Checklist

<b>Green Infrastructure Site Location and Address: Family Ministry Center, 3389 Fulton Rd, Cleveland, OH 44109</b>		
<b>Date and Time: August 21, 2019, 11:00am</b>	<b>Weather Conditions: Sunny</b>	<b>Date of Last Inspection: N/A</b>
<b>Inspector and Title: Christopher Hartman, Spencer Nash.</b>		
<b>Site Plan or As-Built Plan Available: YES</b>		

**\*\*Special Notes:** An untrained individual should never enter a cistern. Never drink water from a rain barrel or a cistern. Always follow the manufacturer's manual and recommended maintenance schedule.

Inspection Item	Images
<b>PRETREATMENT</b>	
Sediment and debris have accumulated in gutter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	 <p><b>Photo 1</b></p> <p>-----</p> <p>-----</p>
The screen or trap is clogged or not attached. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Comments: Sediment and debris has accumulated in the pretreatment filter screen near the eastern portion of the underground detention chambers. Applicant is aware of this and is addressing the problem.	
<b>FOUNDATION</b>	
Barrel foundation is unstable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	 <p><b>Photo 2</b></p>
Action needed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Comments: No additional comments	
<b>INLETS/DOWNSPOUTS</b>	
Gutters and downspouts joints are disconnected and/or leaks are present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	 <p><b>Photo 2</b></p>
Downspouts are disconnected to barrel and/or leaks are present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Diverter is disconnected and/or leaks are present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Action needed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	

Comments: Applicant needs to re-connect the downspout that leads into the underground detention system. Applicant was made aware of this problem.
<b>Spigot</b>
Visible leaks are present, and connections are not tight. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Valves and knobs do not turn. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Action needed. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Comments: Applicant needs to ensure that spigots for the above-ground cisterns near the permeable pavers are functional.
<b>RAIN BARREL/CISTERN</b>
Sediment accumulated at bottom of barrel. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Odor of mildew present or algae is visible inside the barrel. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Cracks or leaks are visible in barrel. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Mosquito larva is visible in barrel. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Comments: No additional comments.
<b>OVERFLOW STRUCTURE</b>
Overflow is directed away from the structure or disconnected from the downspout. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
Other. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Comments: No additional comments
<b>Wet weather inspection needed?</b>
Yes.
<p><b>Summary:</b> On 8/21/19 District staff were able to be on site with a representative from Rain Brothers. He was able to show us how drainage was getting into the underground system and the pretreatment areas that drain into the practice. Furthermore, some irrigation lines that lead to the grass paver system were cracked. The applicant was made aware of this on site and will address in the future.</p> <p>Overall, concerns were addressed on site. This inspection is to document the recent site visit.</p>

