Cisterns

Note: ‘Yes’ typically indicates maintenance is needed

General:
1. Is access to the site adequately maintained for inspection?
2. Above Ground: Are there any structural issues with cistern foundation?

Drainage Area: (pertains to the surrounding area that will contribute runoff to the cistern).
3. (If applicable) Are grass clippings present in the any area that drains to a cistern? 
   (Note: grass clippings should be removed).
4. Are exposed or actively eroding areas present? Sedimentation?
5. Is sediment or debris obstructing flow paths or gutters to cistern(s)?

Inlet Structure / Pretreatment:
6. Is there evidence of bypass of the inlet, such as disconnected gutters or downspouts, leaks, erosion (gullies or rills), around inlet or pre-treatment?
7. Is there trash/debris/sediment in or around inlet structures?
8. Is screen and/or trap secured in place and functioning properly?
9. Has material collected on the screen or in the trap?
10. Are there any signs of structural damage?
11. If present, is first flush collector free of material and operating properly?

Main Tank:
12. Any signs of structural issues? Yes/No
13. Any evidence of leaks? Yes/No
15. Approximate depth of sediment in cistern? In./Ft.
16. Any signs of algal growth in cistern? Yes/No
17. Any signs of prolonged storage (storage not decreasing between storms)?

If present:
18. Is float-switch non-functional? Yes/No
19. Is pump non-functional or functioning below intended performance? Yes/No
20. If used for irrigation, are plants healthy? Yes/No

Emergency Overflow / Outlet Structure:
21. Is there any structural damage to outlet structures? Yes/No
22. Are any areas showing erosion? Yes/No
23. Is there accumulation of trash, debris, or sediment in or around outlet structures? Yes/No
24. Is there evidence of erosion, or flooding around structures? Yes/No
Recommended Maintenance:

Examples of Potential Issues

- 8,9 Clear screens
- 8,9 Clear screens
- 5 Clear gutters
- 5 Clear gutter debris
- 8,9 Clear screens
- 18,19 Inspect pumps
- 16 Algae in cistern
- 18,19 Inspect pump
- 5 Clear Gutters
- 11 Check first flush collector
- 6 Check for leaks
- 22 Erosion
- 1 Accessibility