Field Checklist

for

Rainwater Harvesting Systems

Date of Certification Assessment: _____

Assessing and Certifying NCPE: _____ Seal:

SCM Facility Name: _____

Access Address: _____

PIN/s of Parcel/s Where the Facility is Sited: _____

CHECKLIST

All items in this checklist must be compliant.
If an item is not applicable, write "N/A" next to the item.
If the engineer believes the non-compliant item still meets its intended purpose and is therefore acceptable, he/she must include the following in the "Additional Comments" box at the end of this form:

- *A description of how the non-compliant item deviates from the standards and/or approved construction drawings, and*
- *An explanation of why this deviation is acceptable and how the deviation still meets the intended purpose behind the requirement.*

A. Drainage Area

- The drainage area to the facility is as per the design documents, or if there are deviations from the design drainage area, these deviations do not render the SCM undersized or result in insufficient on-site treatment to meet regulatory requirements.
- The drainage area to the facility is completely stabilized, and no excess sediment is discharging into the rainwater harvesting system.

B. Easements

- The SCM access way as constructed matches what is shown on the recorded final plat and is fully contained in the SCM Access and Maintenance Easement. The SCM Access and Maintenance Easement is clear of obstructions and traversable by anticipated maintenance equipment.
- Unobstructed maintenance vehicle access has been provided to all components of the rainwater harvesting system, and meets the following conditions per field observation and survey spot shot data:
    - It is a minimum of 10 feet wide,
    - It has a maximum centerline grade of fifteen percent (15%) and
    - It has a maximum cross-slope of ten percent (10%).

- Unless it has been surfaced with gravel, asphalt, concrete, etc., in accordance with approved construction drawings, 85% of the SCM Access and Maintenance Easement has achieved a healthy stand of grass.
- For dedicated uses that involve the irrigation of landscaped or natural areas or other SCMs, the distribution system to said uses are located entirely in a recorded SCM easement.

C. Access

- Suitable operation and maintenance access as well as structural replacement access has been provided from a public right-of-way for the RHS tanks and the distribution systems as indicated in the construction drawings.

D. RHS Tanks

- The size, material, and location of the tanks are in accordance with the construction drawings.
- The initial inflow system (that which directly conveys rainfall runoff to the storage tanks), including any debris and mosquito screens, has been constructed in accordance with the approved construction drawings.
- The overflow system, which routes inflow volumes in excess of the storage tank system capacity to discharge, is discharging non-erosively to the endpoint specified in the approved construction drawings.
- A maintenance drain valve has been provided in accordance with the construction drawings.
- Access to the inside of the tanks has been provided in accordance with the construction drawings.

E. Distribution Systems

- The distribution systems, which include all pumps, pipes, electrical components, tubing, wiring, valves, controllers, sensors, backflow preventers, filters, and sprinkler heads, as applicable, have been installed in accordance with the construction drawings.
- The certifying engineer observed on _____ [fill in date] the proper operation of each component to ensure that each operates in accordance with the manufacturers operations manual an as intended in the design documents.

F. Clear and Dedicated Uses

- The RHS delivers harvested rainwater to the “clear and dedicated uses” as specified in the Site Plans and the construction drawings.

Additional Comments by Certifying Engineer: