

ATTACHMENT L
GREEN ROOF MAINTENANCE AND MONITORING

**Lawrence Hospital Extensive Green Roof and Intensive Roof Garden
Maintenance and Monitoring Plan**

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Prepared for LHS Facilities Development Group, Inc.

Extensive Green Roof Areas

Maintenance procedures (biannually):

- a. Inspect irrigation system/coverage
- b. Test soil pH and organics and organically fertilize as needed
- c. Inspect roof flashing and membrane where possible

Maintenance procedures (biweekly during growing season- March to November):

- a. Weed undesirable weeds
- b. Remove and replace damaged/senescent plants as needed
- c. Monitor plants for diseases and/ or pests
- d. Remove debris that has blown onto the roof
- e. Remove leaves that have blown onto green roof
- f. Inspect drain inlets

Intensive Roof Garden Green Roof Areas

Maintenance procedures (biannually):

- a. Inspect irrigation system/coverage
- b. Test soil pH and organics and organically fertilize as needed
- c. Inspect roof flashing and membrane where possible

Maintenance procedures (biweekly during growing season –April to October):

- a. Monitor plants for diseases and/ or pests
- b. Weed undesirable plants
- c. Remove and replace damaged/senescent plants as needed
- d. Mulch as needed
- e. Prune trees, shrubs, vines and groundcovers as needed

Note: For the extensive green roof tray system, the owner shall follow any and all additional maintenance instructions as outlined by the manufacturer at the time of installation.

Monitoring

The roof membrane will have a specified leak detection system as manufactured by *International Leak Detection* (ILD New York and New Jersey, Jersey City, NJ, 201.309.3088, leak-detection.com) or approved equal. This preinstalled system enables detection of leaks through the green roof membrane, mitigating any damage and expediting necessary repairs.