



**KMA**

ENGINEERING & SURVEYING

## **Sunrise Gardens**

### STORMWATER MAINTENANCE PLAN AND SEDIMENTATION AND EROSION CONTROL PLAN

#### I. Project Description

The project consists of one hundred and twelve (112) multi-family lots and a recreation center. The project is served by a stormwater management system that provides stormwater attenuation and water quality pretreatment in accordance with City of Fort Pierce requirements.

The system contains the following features:

Storm Sewer

Stormwater Inlets

Dry Detention Ponds

#### II. Sedimentation and Erosion Control Measures

A silt fence shall be constructed around the perimeter of the construction areas before construction commences, as shown on the plans. Refer to the Florida Sediment and Erosion Control Manual, latest edition for requirements. Sedimentation and erosion control measures shall be monitored continuously and maintained as necessary.

During periods of dry weather and windy conditions, wind erosion can be a problem in areas that have not been stabilized. When these conditions occur, the soil shall be wetted down as necessary.

### III. Pre-construction Meeting and Construction Monitoring Requirements

A pre-construction meeting will be held between the contractor, County inspector and KMA Engineering & Surveying representatives prior to release of the plans. Construction monitoring requirements will be reviewed at the meeting and are specified on the Paving and Drainage Plan (Construction Field Observations)

### IV. Release into Service

Prior to release into service, the stormwater system shall be certified by the engineer-of-record, including the submittal of as-built drawings. The following items, at a minimum, will be required:

1. Remove any debris and vegetation in the storm sewer system.
2. After clean-up and stabilization of grassed area, all sedimentation and erosion control temporary measures, such as filter cloth at inlet grates, silt fences, turbidity barriers, hay bales, etc., shall be removed.
3. Removal of all nuisance exotic vegetation.
4. Permanent stabilization of all lake banks, swales, etc.

### V. Operation & Maintenance

Sunrise Gardens Homeowners Association shall be responsible for the implementation of the Stormwater Maintenance Plan including all catch basins, pipes, and retention pond areas. Maintenance shall occur on a regular basis, monthly or quarterly, and after any severe rainfall events, and shall consist of the following:

1. All silt, debris, and vegetation shall be removed from all catch basins and pipes.

2. Any deterioration to the structures shall be repaired promptly.
3. No chemicals, oils, greases, or similar wastes shall come in to contact with the stormwater management system. This could result in clogging of the soil in the retention pond areas.
4. No grass clippings shall be disposed of in the system. This will cause clogging of the system and will create ideal conditions for breeding mosquitoes.
5. Inspect the discharge pipes at least once per year to ensure the system is functioning properly.
6. Silt in culverts and inlets shall be removed at least every six months and no less than once a year in order to prevent clogging of the storm pipe and inlets.
7. All nuisance exotic vegetation shall be removed on a monthly basis. All re-growth shall be removed effectively.
8. No fertilizer is to be applied to the grass within the retention area.
9. Lake banks shall be inspected for erosion or shoals at least every six months and no less than one year. Should erosion or shoals appear, they shall be corrected immediately to prevent further issues with the system.
10. Operation and maintenance of all operable control structures.

Blaine Bergstresser,  
P.E.

FL Lic. No.84598