## CITY OF MIDDLEBURG HEIGHTS STORM WATER QUANTITY MANAGEMENT PLAN REVIEW CHECKLIST

| Engine             | er:      | Site Address:  |
|--------------------|----------|--|
| Please             | refer to | Codified Ordinance Chapter 1367 for complete requirements.                                   |
| Your su<br>informa |          | I storm water quantity management plan has been reviewed and is lacking the following        |
|                    | Develo   | per's name, address, phone number, fax number and email.                                     |
|                    |          | er's name, address, phone number, fax number, email, original signature, seal & date         |
|                    | Pre-dev  | veloped drainage area map  |
|                    |          | North arrow, legend, scale bar   |
|                    |          | Contours – 1' interval on site, 2' interval offsite  |
|                    |          | Existing conditions (buildings, parking, etc.)   |
|                    |          | Existing drainage areas, including any offsite drainage onto the property.                   |
|                    |          | Total area of the site   |
|                    |          | Total percent of the site impervious (existing)  |
|                    |          | SCS Curve Number calculation or Rational Method runoff coefficient calculation               |
|                    |          | Time of Concentration calculation including location of the flow path and description of the |
|                    |          | type of flow   |
|                    | □<br>D1- | Soil Data (based on SCS soil maps)   |
|                    |          | ped drainage area map  |
|                    |          | North arrow, legend, scale bar<br>Contours – 1' interval on site, 2' interval offsite        |
|                    |          | Proposed conditions (buildings, parking, utilities, detention, swppp (if required) etc.)     |
|                    |          | Total percent of the site impervious (proposed)  |
|                    |          | Disturbed area   |
|                    |          | SCS Curve Number calculation or Rational Method runoff coefficient calculation               |
|                    |          | Proposed Drainage areas, including any offsite drainage onto the property.                   |
|                    | Site Pla |  |
|                    |          | Plan and profile of utilities and storm water quantity management practices                  |
|                    |          | Details of storm water quantity management practices   |
|                    |          | Location and details of outlet structure   |
|                    |          | Location and details of emergency spillway   |
|                    |          | Water elevation for 100 year storm shown in profile  |
|                    |          | Easements indicated and labeled.   |
|                    |          | Parking lots not used for storm water storage  |
|                    | Narrati  |  |
|                    |          | Summary describing the methods used to design the storm water quantity management devices    |
|                    |          | Summary of the results of the design of the storm water quantity management devices          |
|                    |          | Huff-Angel Rainfall used   |
|                    |          | Drainage area characteristics (area, curve number, time of concentration)                    |
|                    |          | Critical Storm Calculations  |
|                    |          | Storm water quantity management device characteristics                                       |
|                    |          | Storage Volume   |
|                    |          | □ Top elevation of the structures □ Control structures                                       |
|                    |          |  |
|                    |          | □ Size □ Type  |
|                    |          | □ Elevation  |
|                    |          | □ Summary Table for each storm (1, 2, 5, 10, 25, 50, 100 year)                               |
|                    |          | Storm Frequency  |

|         | □ Predeveloped Flow   |
|---------|---|
|         | ☐ Allowable proposed Outflow  |
|         | □ Water elevation in storm water quantity management device                       |
|         | □ Total Flow out of Site  |
|         | ☐ Emergency Spillway a minimum of 1' above the Principal Spillway                 |
|         | ☐ Minimum of 1' of freeboard between the normal water elevation of 100 year storm |
|         | and the top of the storm water quantity management device.                        |
|         | Emergency Flow way shown on the plans   |
|         | Emergency Spillway designed to pass the 100 year undetained flow                  |
|         | TR-55 calculations  |
|         | Hydrographs and Basin Routings (computer program results)                         |
| Plans s | ubmitted on CD in pdf or tif format with required paper copies                    |
| Other   |   |
| _       |   |

DIRECT ANY QUESTIONS TO: MICHAEL MACKAY, CITY ENGINEER PHONE: 440-886-4500

EMAIL: mmackay@mackayeng-surv.com