



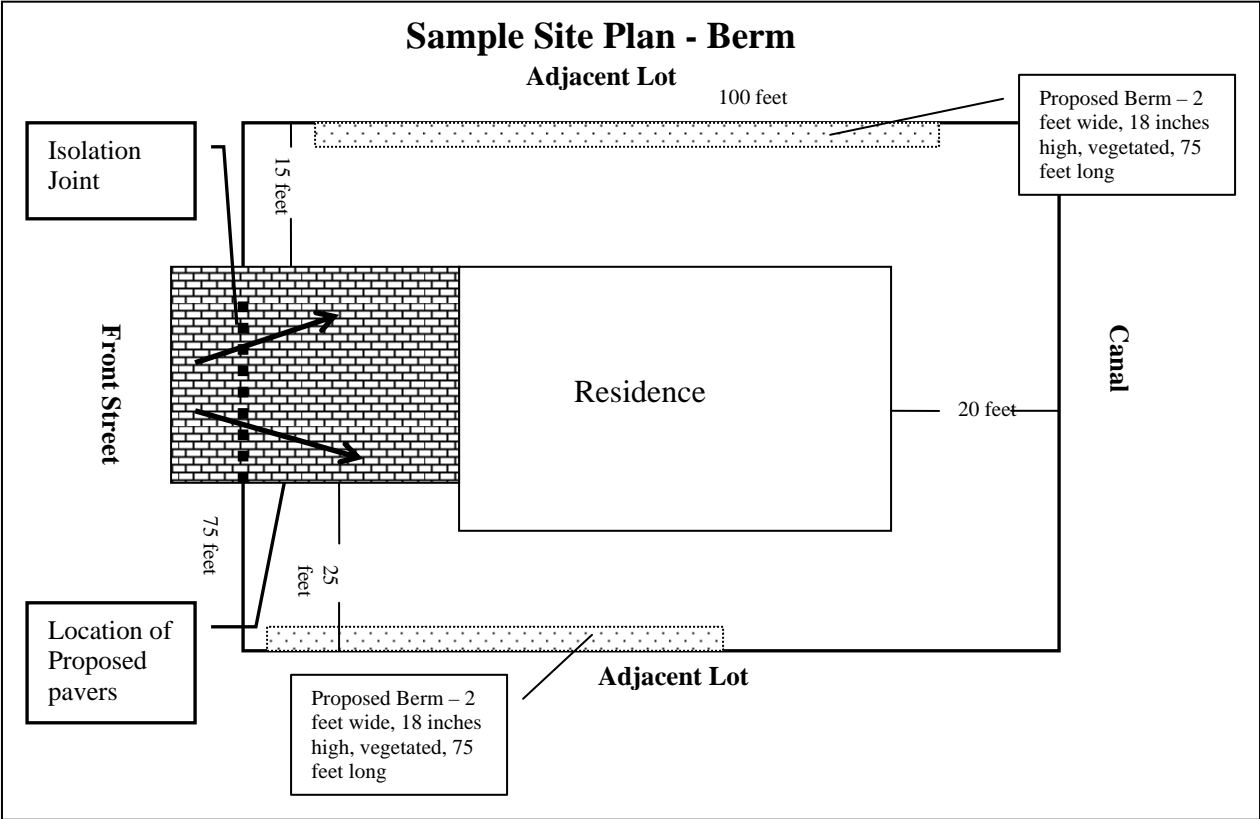
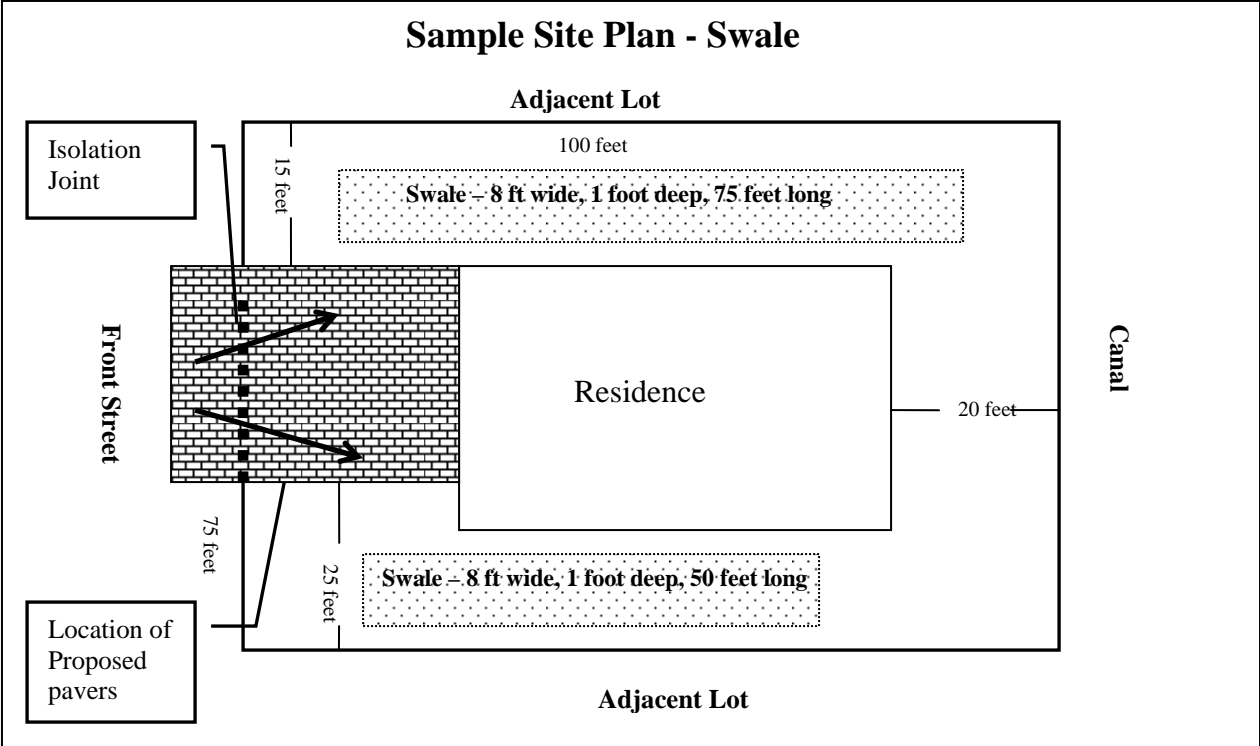
## CITY OF MARATHON, FLORIDA

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9805 Overseas Highway, Marathon, Florida 33050  
Phone: (305) 743-0033 Fax: (305) 743-3667

### *Requirements to Obtain a Permit for Pavers or Concrete*

1. **Completed Building Permit Application.** Please make sure that you clearly indicate the type of construction and materials to be used, the proposed square footage of new construction, estimated cost of the construction, and real estate number of property, and the name and license number of the contractor (if applicable).
2. **Letter of Approval from the owner of the property** if the lessee desires to perform the work.
3. A **Recent Survey** of the property.
4. Three copies of a **Site Plan** showing the dimensions of the lot, all existing structures on the property, the location of the proposed construction, all setbacks and location of retention areas. Arrows should be included on the site plan indicating the direction that runoff will flow. A sample site plan is included in this package.
5. No pavers or concrete can be located within five (5) feet of side and rear property lines except for a walkway that can be no wider than five (5) feet. Any pavers placed on a parcel that is on a legally altered or unaltered shoreline must meet all shoreline accessory setbacks and open space requirements.
6. **Stormwater Retention Calculations** showing the amount of stormwater required to be retained on site from the proposed construction. All retention areas must also be shown on the submitted site plan. An applicant has the option of using swales or berms to retain stormwater on their property. Pavers should be sloped in such a way as to direct runoff towards retention areas. A stormwater retention calculation sheet is included in this packet as well as pictures of each retention method.  
*Note: Any construction in the front or rear setback require that the entire parcel be brought into compliance with stormwater retention requirements.*
7. If construction is proposed in the **City Right-of-Way**, please be aware of the following and make note as applicable on the submitted plans.
  - a. An isolation joint must be placed at the property line. If needed, the City may remove any construction in the Right-of-Way without notice or replacement
  - b. No less than a 2% slope back onto the property must be shown to direct any runoff away from the Right-of-Way and contained on site.



## Stormwater Retention Calculation Sheet

### 1. Determine Percentage of Impervious Coverage

Impervious Coverage:

Foundation/slabs	_____ ft <sup>2</sup>
Decks / Patios	_____ ft <sup>2</sup>
Driveways	_____ ft <sup>2</sup>
Sidewalks	_____ ft <sup>2</sup>
Pool/Deck	_____ ft <sup>2</sup>
Other	_____ ft <sup>2</sup>

Total Impervious Coverage \_\_\_\_\_ ft<sup>2</sup>

\_\_\_\_\_ ft<sup>2</sup> / \_\_\_\_\_ ft<sup>2</sup> = \_\_\_\_\_ % of Impervious Coverage  
 Total Impervious Coverage                      Total Lot Area

### 2. Determine Required Swale Volume:

- For a home with **less than 40% Impervious Coverage**, use:

\_\_\_\_\_ ft<sup>2</sup> X 0.0415 = \_\_\_\_\_ ft<sup>3</sup>  
 Total Lot Area    Swale Volume

- For a home with **40% or greater Impervious Coverage and no adjacent water bodies**, use:

\_\_\_\_\_ ft<sup>2</sup> X 0.104 X \_\_\_\_\_ % = \_\_\_\_\_ ft<sup>3</sup>  
 Total Lot Area    Impervious Coverage    Swale Volume

- For a home with **40% or greater Impervious Coverage and discharging into Sensitive Receiving Water Bodies**, i.e. Outstanding Florida Waters, bays, estuaries, near shore waters, or canals use the following:

\_\_\_\_\_ ft<sup>2</sup> X 0.156 X \_\_\_\_\_ % = \_\_\_\_\_ ft<sup>3</sup>  
 Total Lot Area    Impervious Coverage    Swale Volume

- When only **new impervious area** requires stormwater retention:

\_\_\_\_\_ ft<sup>2</sup> X 0.08 = \_\_\_\_\_ ft<sup>3</sup>  
 New Impervious Area    Swale Volume

*\* When development occurs within the front or rear setback, the entire property must be brought into compliance with Stormwater Retention Requirements \**

### 3. Determine Swale Length

\_\_\_\_\_ ft<sup>3</sup> / \_\_\_\_\_ ft<sup>2</sup> = \_\_\_\_\_ ft  
 Swale Volume    Cross Sectional Area\*\*    Swale Length

\*\*For example, a V-shaped swale with 4:1 slopes, 8 feet wide and 1 foot deep has 4 sf of Cross Sectional Area.

Source: Compiled from the adopted Best Management Practices contained in the Monroe County Manual of Stormwater Management Practices, pages 14, 24, 40 and 41, prepared by the South Florida Regional Planning Council. These Formulas are derived from the criteria for Water Quality treatment in paragraphs (a), (d), (2)(a)(b),(f) and (h), (3) and (7) of the Monroe County Stormwater Management Ordinances Section 9.5-293, and FAC 62-25 and 40e.

## ***Permit Checklist Pavers or Concrete***

\_\_\_\_\_ **Completed Building Permit Application.**

- Type of construction (i.e., brick pavers, concrete, asphalt, etc.)
- Square feet of construction
- Estimated cost
- Name of the contractor (if applicable)

\_\_\_\_\_ **Letter of Approval from the owner of the property** (if applicable)

\_\_\_\_\_ **Survey** (no older than 6 months)

\_\_\_\_\_ **Site plan**

- Location of the proposed construction
- Location of stormwater retention area (swales or berms) and arrows showing that runoff is directed towards the retention areas on not adjacent properties or the road.
- *If proposed in the City Right-of-Way*, isolation joint and slope directing runoff back onto property

\_\_\_\_\_ **Stormwater Retention Calculations**