



DRAINAGE IMPACT STATEMENT

TITLE OF DEVELOPMENT: _____

LOCATION: _____

OWNER: _____

DESCRIPTION OF DEVELOPMENT: _____

NAMES AND ADDRESS OF PERSON, FIRM, OR CORPORATION SUBMITTING
STATEMENT: _____

DATE

PRINT NAME

SIGNATURE OF REPRESENTATIVE



DRAINAGE IMPACT STATEMENT

1. **NARRATIVE DESCRIPTION**

A. Physical description of proposed development

B. Description of significant changes, requirements, and/or additions to the existing Drainage, which will be affected.



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C. Description of significant changes, requirements, and/or additions to the existing Utilities, which will be affected

2. TOPOGRAPHIC INFORMATION:



DRAINAGE IMPACT STATEMENT

3. CALCULATIONS:

4. ECONOMIC IMPACT STATEMENT:

DRAINAGE IMPACT STATEMENT

INSTRUCTIONS

This Statement shall be required for all developments that are within the City of Monroe corporation limits.

Fill out page One and Three as completely as possible.

The Certificate, (page Two), must be Signed and Stamped by a Registered Engineer.

Fill out Section 1. Narrative Descriptions to the point it is applicable.

1. **Existing Topographic Information:** A Topographic Plat of the proposed site improvements must be attached to this Statement. This Plat must show, as a minimum, the following information:
 - a. Provide a Plat showing existing spot elevations, contours and ridgelines, etc. sufficient to show direction of the existing drainage flow. Elevations should extend beyond the property lines by a minimum of fifty (50) feet. To the extent possible, show the downstream route to a major drainage. This information shall be sufficient to use in preparing the Design Drainage Plan.
 - b. If any adjacent property is affected by the improvement, it will be the developer's responsibility to provide a suitable alternate route for the adjacent property drainage.
 - c. Locate and show all sizes and depths of existing storm and sanitary drainage structures, and all other utilities.

2. **Calculations and Drawings:** The following calculations shall be provided:
 - a. Calculations based for a twenty-five (25) year rainfall using the Rational method, or other approved methods, which show derivation of quantities and areas for each drainage basin for both the existing topography and proposed design.
 - b. Flow rate, (Q), to be shown in cubic feet per second and given for all drainage structures and basins.
 - c. Zero impact is enforced. Post-Construction CFS cannot exceed Pre-Construction CFS.
 - d. If retention is required, provide design drawings, calculations and hydrographs.
 - e. Provide Design drawings showing all features including buildings parking and grass areas, drainage structures, surface types, and area sizes necessary to evaluate the design.
 - f. Show all utilities, their size and locations. Make special detail drawings for construction and/or tie-ins to be submitted for approval.
 - g. The erosion control plan shall be implemented to protect soils exposed during construction activities to prevent the offsite movement of sediment and prevent pollution of waters of the state. Waters of the state include street gutters, storm sewer catch basins, natural streams, drainage ditches, road ditches, drainage tile intakes, wetlands and lakes.

3. **Economic Impact Statement:** Describe the estimated cost and who will be responsible for the same. Give the estimated cost for the additional maintenance and operation, which will be incurred by the City, to provide additional utilities and drainage.

SUBMITTAL REQUIREMENTS

Building and Civil Plan Sheets Required

- a. Title Sheet
- b. Subdivision Plat
- c. Topographic & Boundary Survey – Show all drainage features, utilities, roads, structures, impervious and pervious areas and FEMA flood zone or floodway designated areas.
- d. Site Plan
- e. Existing Drainage Plan
- f. Proposed Grading & Drainage Plan (include benchmark)
- g. Existing Drainage Areas with Hydraulic Lengths
- h. Proposed Drainage Areas with Hydraulic Lengths
- i. Detail Sheets
- j. Utility Plan
- k. Paving Plan
- l. Erosion Control Plan
- m. Landscape Plan
- n. Foundation Plan
- o. Floor Plan
- p. Building Elevation Plan
- q. Plumbing Plan
- r. Electrical Plan
- s. Plan/Profile Sheets: (If Applicable)
 - A. Drainage Sheets (Minimum Scale 1" = 50' Horizontal) and (1" = 5' Vertical)
 - B. Roadway Sheets (Minimum Scale 1" = 40' Horizontal) and (1" = 4' Vertical)
 - C. Show size, type, and invert elevation of all drainage pipes and structures, geometric layout of all streets including centerline, geometry centerline roadway stations, finished centerline roadway slopes (minimum 0.00% for curb and gutter streets) including points of vertical intersection, finished grade at right-of-way, hydraulic gradient, tail water elevation, ditch flow lines, top and invert elevations of all drainage structures and utility lines, dimension of all servitudes, all utilities within road right-of-way, north arrow and legend.



- Note
1. All plan sheets shall be prepared and submitted on a 22"X34" or 24"X36" paper size. Each Plan should be on an individual full-size sheet. Only common engineering scales shall be used.
 2. When resubmitting, please submit a complete set including the revised sheets with the revisions noted in the revisions table on all applicable sheets.
 3. Twenty-Five dollars (\$25.00) Engineering Project Permit fee is required. It shall be paid in the Inspections Department at the same time the Building Permit is issued.