

SECTION 5 PLAN SUBMITTAL DETAILS

5.1 GENERAL REQUIREMENTS

All plans shall be submitted on standard 24 inch x 36 inch sheets. All plans shall include construction details, standard specifications, location sketch, legal description of the project, north arrow, scale and the acreage involved in the project.

5.2 SITE SURVEY AND TOPOGRAPHY

Each application shall be accompanied by a current survey of the project and shall be certified by a Professional Surveyor and Mapper. The survey shall include section lines, platted rights-of-way, property lines, existing easements and reservations.

Accompanying the survey shall be topography of the existing site with elevations at not less than a 100 foot by 100 foot grid. The topography shall extend 100 feet offsite to indicate existing drainage patterns, drainage structures, roadways and other pertinent features. All elevations shown shall reference NGVD (National Geodetic Vertical Datum).

5.3 PLAN DETAILS

North arrows of location maps shall match the north arrows of the plan views on the same sheet. North arrows of land development projects shall have the same orientation on the paper throughout the set of plans.

The application shall include plans in such detail that the proposed development layout is apparent and include lot and property line locations, horizontal and vertical control, location of lakes and canals, location of drainage structures and location of roadways.

Proposed elevations shall be shown so that drainage patterns may be defined. The proposed elevations shall indicate the direction of flow in swales and the slope of proposed roadway and

parking areas.

Proposed inlet structures shall be specifically located, and pipe diameters and material shall be shown. Pipe and structure invert or flow line elevations shall be indicated.

Specifications shall be included that indicate the materials that are to be used for roadway construction, inlet structures and pipelines.

Where exfiltration trench is proposed, a signed and sealed exfiltration test report shall be provided to support the design.

Proposed easements encompassing the drainage structures, pipes, flow ways and other water management features that are intended to be dedicated to the District shall be shown.

Areas that are to be used for detention/retention systems shall be shown on the plans, and the volumes that are proposed shall be included.

A note shall appear on the plans that the District will be notified in writing at least seven (7) working days prior to commencement of construction. **The plans shall also contain the standard detail sheet of the District as indicated in Exhibit 19, Standard Detail Sheet.**

The applicant shall demonstrate that the runoff from any affected off-site area(s), can satisfactorily be handled through the applicant's site.

5.4 LAKE EXCAVATION APPROVAL

All Lake Excavations within the District shall require the approval of the District prior to start of construction. The applicant shall submit to the District a drainage plan for lake excavation. The drainage plan shall indicate the extent of the lakes to be excavated, all lake interconnects, all required boat ramps and all required lake maintenance easements. Calculations shall also be submitted that show the stages in all lakes, flow, velocities and head losses for all lake

interconnects, all input data and assumptions made in order to perform the calculations and the discharge locations and boundary condition assumptions. The calculations shall be performed for a 10-year 3-day storm event and a 100-year 3-day storm event in all basins. Where a basin is not pumped and discharge is by gravity, a 25-year 3-day storm event calculation shall also be performed in addition to the 10-year and 100-year mentioned previously. Refer to **Exhibit 9, 10-year 3-day Rainfall, 25-year 3- day Rainfall and 100-year 3-day Rainfall maps.**