

GIS Requirements for Development of Regional Impact Application Submittals.

GIS is a technology that is used to view and analyze data from a geographic perspective. The technology is a piece of an organization's overall information system framework.

As a result of the proper usage of this technology, we can create maps that will represent analysis for certain areas helping the decision process by providing optimum and valuable information.

ECFRPC will expect the DRI applicants to submit all map components found in the pre-application package in a GIS format. As an example, the pre-applicant will submit the DRI boundary, Land Use/Land Cover, streets, among others, in shapefile format.

The shapefiles are expected to contain the most updated data available. The shapefiles must represent the DRI plus the immediate vicinity area. Each shapefile must be projected in State Plane NAD 83 Florida East. Metadata is expected to be received with each shapefile as well.

Please see below a list of the expected shapefiles extracted from each map found in the pre-application package:

- ❖ **General Location Map A:** Indicate and label the location of any urban service area boundaries and regional activity centers in relation to the project site.
 - DRI boundary
 - Water
 - County boundary
 - Parks
 - City limits
 - Other project study areas
 - Existing Libraries
 - Existing Schools
 - Existing Fire Stations
 - Others
- ❖ **Aerial Photograph Map B:** No files are required for aerial photograph.
- ❖ **Topographic map with the project boundaries identified C:** Delineate 100-year flood prone areas and indicate major land surface features. If applicable, delineate the coastal construction control line.
 - Floodway areas in zone
 - Other flood areas
 - Contours
- ❖ **Land Use Land Cover map D:** A land use showing existing and approved uses on and abutting the site. The uses shown should include existing on-site land uses, recreational areas, utility and drainage easements, wells, right-of-way, among others.
 - Land Use (FLUCCS)
 - Future Land Use
- ❖ **Soils Map E:** A soils map of the site, with an identification of the source of the information.
 - Soils
- ❖ **Vegetation Map F:** A vegetation associations map indicating the total acreage of each association, based on the level III vegetation types described in *The Florida Land Use Land Cover Classification System: A technical report*.
 - Vegetation

- ❖ **Location Map G:** A location map of all transects, trap grids, or other sampling stations used to determine the on-site status of significant wildlife and plant resources, and show location of suitable habitat for all significant resources expected to be on site.
 - Wildlife
 - Habitat
 - Plant resources
 - Others
- ❖ **Preliminary Concept Plan Map H:** Master development plan for the site indicating proposed land uses and locations, development phasing, major public facilities, utilities, preservation areas, easements, right-of-way, roads, and other significant elements such as transit stops, pedestrian ways, etc.
 - Residential use
 - Non residential use
 - Regional Parks
 - Planned School sites
 - Village centers, research and industrial areas
 - Wetlands
 - Others
- ❖ **Master Drainage plan Map I:** A master drainage plan for the site delineating existing and proposed drainage basins, flow direction, water retention areas, drainage structures, flow route offsite, drainage easements, waterways, and other major drainage features.
 - Existing
 - Proposed
 - Others
- ❖ **Transportation Map J:** Existing highway and transportation network within the study area. The study area includes the site, and locations of all transportation facilities which are substantially impacted. The area should be finally defined on the basis of the findings of the impact analysis, including determinations of where the criteria for a substantial impact are met.
 - Roads
 - Bus stops
 - Others

In addition to the shapefiles, please submit all of the maps that compose the pre-application package in PDF format.