

## **Impact Assessment Statement**

A. Land and Neighborhood Characteristics: to assess the compatibility of the requested land use district with the adjacent property and to evaluate the suitability of the site for development, the applicant shall:

1. Show how and why is the site suitable for the proposed uses;

*See Request, Background, and Justification. The expansion of the existing NAC district to the Proposed Site meets the criteria set out in the Polk County Comprehensive Plan for both SDAs and NAC districts. See Consistency Analysis.*

2. Provide a site plan showing each type of existing and proposed land use;

*See attached Future Land Use Map.*

3. Describe any incompatibility and special efforts needed to minimize the differences in the proposed use with adjacent uses;

*The landscaping and buffering required by the Polk County Land Development Code adequately ensures that the proposed request is compatible with adjacent uses and entitlements in the area. The applicant will take any and all reasonable and necessary steps to minimize impacts to the properties surrounding the requested land use map amendment.*

4. Explain how the requested district may influence future development patterns if the proposed change is located in an area presently undeveloped;

*The Subject Property is not located in an area presently undeveloped.*

5. Describe each of the uses proposed in a Planned Development and identify the following:

- a. The density and types of residential dwelling units;
- b. The type of commercial and industrial uses;
- c. The approximate customer service area for commercial uses;
- d. The total area proposed for each type of use, including open space and recreation

*The Property is not within a Planned Development. Any development of the Property would be consistent with the Polk County Land Development Code, the Polk County Comprehensive Plan, and proposed site-specific development criteria.*

B. Access to Roads and Highways: to assess the impact of the proposed development on the existing, planned and programmed road system, the applicant shall:

1. Calculate the number of vehicle trips to be generated daily and at PM peak hour based on the latest ITE or provide a detailed methodology and calculations;

*A Traffic Impact Analysis will be provided to staff prior to reading at planning commission.*

2. Indicate what modifications to the present transportation system will be required as a result of the proposed development;

*On-site transportation improvements will be fully addressed at Level 2.*

3. List the total number of parking spaces and describe the type of parking facilities to be provided in the proposed development;

*The requisite number of parking spaces required by the Polk County Land Development Code will be determined at Level 2 based on the actual square footage of any structures proposed to be constructed.*

4. Indicate the proposed methods of access to the existing public roads (e.g., direct frontage, intersecting streets, frontage roads); and

*Access will be provided via Kathleen Road. The Proposed Site's location in a heavily urban area will result in decreased speeds of vehicular traffic. Such decreased speeds will allow for closer access points between parcels.*

5. Indicate the modes of transportation, other than the automobile, that have been considered (e.g., pedestrian, bicycle, bus, train or air) and describe the modes.

*The Proposed Site will be oriented to pedestrian and automobile access.*

- C. Sewage: to determine the impact caused by sewage generated from the proposed development, the applicant shall:

1. Calculate the amount of sewage in gallons per day (GPD) expected to be generated by the proposed development;

***Potable Water Consumption and Wastewater Generation Table***

<b>Permitted Intensity</b>	<b>Maximum Permitted in Existing Land Use RS</b>	<b>Maximum Permitted in Proposed NAC</b>
1.13 +/- acres 3du/1ac in RS	1.13 X 3du/1ac= 3 du	<b>1.13 ac 49,222.8 sq ft X 0.25 FAR=</b> 12,305.7 sq ft
<b>Potable Water Consumption</b>	<b>3 du X 360= 1080 GPD</b>	<b>12,305.7 X 0.3= 3,691.7 GPD</b>
<b>Wastewater Generation</b>	<b>3 du X 270= 280 GPD</b>	<b>3,691.7 X 80%= 2,953.4 GPD</b>

*0.3GPD/sq ft for water and an assumption of 80% of water for wastewater.*

2. Describe the proposed method and level of treatment, and the method of effluent disposal for the proposed sewage treatment facilities if on-site treatment is proposed;

*N/A. The Proposed Request does not anticipate on-site treatment.*

3. Indicate the relationship of the proposed sewage system to Polk County's plans and policies for sewage treatment systems;

*Any proposed system will be designed in accordance with applicable and appropriate rules and regulations.*

4. Identify the service provider; and

*The Proposed Site is in a Polk County Utilities service area.*

5. Indicate the current provider's capacity and anticipated date of connection.

*Specific information on capacity and anticipated date of connection is unknown at this time.*

D. Water Supply: to determine the amount of water to be used, how it will be distributed, and the impact on the surrounding area, the applicant shall:

1. Indicate the proposed source of water supply and, the type of treatment;

***Potable Water Consumption and Wastewater Generation Table***

Permitted Intensity 1.13 +/- acres	Maximum Permitted in Existing Land Use RS  1.13 X 3du/1ac= 3 du	Maximum Permitted in Proposed NAC  <b>1.13 ac</b> <b>49,222.8 sq ft</b> X 0.25 FAR=
<i>Potable Water Consumption</i>	<b>3 du X 360= 1080 GPD</b>	<b>12,305.7 X 0.3= 3,691.7 GPD</b>
<i>Wastewater Generation</i>	<b>3 du X 270= 280 GPD</b>	<b>3,691.7 X 80%= 2,953.4 GPD</b>

*0.3GPD/sq ft for water and an assumption of 80% of water for wastewater.*

2. Identify the service provider;

*The Proposed Site is in a Polk County Utilities service area.*

3. Calculate the estimated volume of consumption in gallons per day (GPD); and

*3,691.7 GPD.*

4. Indicate the current provider's capacity and anticipated date of connection

*Specific information on capacity and the anticipated date of connection are unknown at this time.*

E. Surface Water Management and Drainage: to determine the impact of drainage on the groundwater and surface water quality and quantity caused by the proposed development, the applicant shall:

1. Discuss the impact the proposed development will have on surface water quality;

*The stormwater management system for the Proposed Site will be designed to meet regulatory requirements that will ensure adequate BMPs are instituted. The Proposed Site does not have any areas of concern and surface water quality will not be negatively impacted by development.*

2. Describe the alteration to the sites natural drainage features, including wetland, that would be necessary to develop the project;

*There does not appear to be any state or federal jurisdictional wetlands or surface water features located within the Proposed Site.*

3. Describe the impact of such alterations on the fish and wildlife resources of the site;

*Based on the available GIS information, there are no state or federally jurisdictional wetland or surface water features or other bodies of open water identified within the Proposed Site. In addition, the Proposed Site is already developed. As such, there is no anticipated impact on fish and wildlife resources.*

4. Describe local aquifer recharge and groundwater conditions and discuss the changes to these water supplies which would result from development of the site.

*No change is anticipated.*

F. Population: to determine the impact of the proposed developments additional population, the applicant shall:

1. Calculate the projected resident (and transient) population of the proposed development and the generated population in the case of commercial or industrial uses;

*Indeterminable at this time.*

2. Describe, for commercial and industrial projects, the employment characteristics including the anticipated number of employees, type of skills or training required for the new jobs, the percentage of employees that will be found locally or are expected to be drawn from outside the county or state, and the number of shifts per day and employees per shift;

*Indeterminable at this time.*

3. Indicate the expected demographic composition of the additional population (age/socio-economic factors); and

*Indeterminable at this time.*

4. Describe the proposed service area and the current population thereof.

*Indeterminable at this time.*

G. General Information: to determine if any special needs or problems will be created by the proposed development, the applicant shall:

1. List and discuss special features of the proposed development that promote desirability and contribute to neighborhood needs; and

*The Proposed Request would provide for an expanded NAC in an area that is predominantly single-use residential. In addition, the expansion would offer commercial services to residents in the area and those traveling along Kathleen Road.*

2. Discuss the demand on the provision for the following services:

- a. Parks and Recreation;

*None.*

b. Educational Facilities (preschool/elementary/middle school/high school);

*None.*

c. Health Care (emergency/hospital);

*No impact to health care is anticipated.*

d. Fire Protection;

*No impact on fire protection is anticipated. The Subject Property has been previously developed.*

e. Police Protection and Security; and

*No impact on police protection and security is anticipated. The Proposed Site has been previously developed for residential use.*

f. Electrical Power Supply

*Indeterminable at this time.*

H. Maps: the following maps shall accompany all Impact Assessment Statements:

Map A: A location map showing the relationship of the development to cities, highways, and natural features;

*See attached Location Map*

Map B: A Topographical Map with contour intervals of no greater than five feet, the identification of the property boundaries, and a delineation of the areas of special flood hazard (100 year flood plain) as shown on the Flood Insurance Rate Maps issued by the Federal Emergency Management Agency (FEMA) for Polk County;

*See attached Topographical Map.*

Map C: A Land Use and Land Use District Map showing the existing land use designations and districts on and abutting the proposed development, including lot sizes and density;

*See attached Future Land Use Map.*

Map D: A Soils Map with soils designated according to Natural Resources Conservation Service classifications. If available, USDA Natural Resources Conservation Service (NRCS) soil surveys are preferable;

*See attached Soils Map*

Map E: A Traffic Circulation Map identifying any existing roads on or adjacent to the proposed development and indicating the name of the roads, maintenance jurisdiction, and pavement and right-of-way widths.

*See attached Location Map w/ Roads.*

Map F: A Site Plan showing land uses, the layout of lots, the type and maximum density for each type of residential area; the typical minimum lot sizes and dimensions for each use and unit type, and the dimensions, locations, and types of buffers, easements, open space areas, parking and loading areas, setbacks, and vehicular circulation routes; and

*A Site Plan is not available at this time.*

Map G: A Drainage Map delineating existing and proposed drainage areas, water retention areas, drainage structures, drainage easements, canals, wetlands, watercourses, and other major drainage features.

*A Drainage Map is not available at this time, as we do not have any engineered plans to evaluate the proposed location of stormwater ponds, buildings, and impervious surface.*