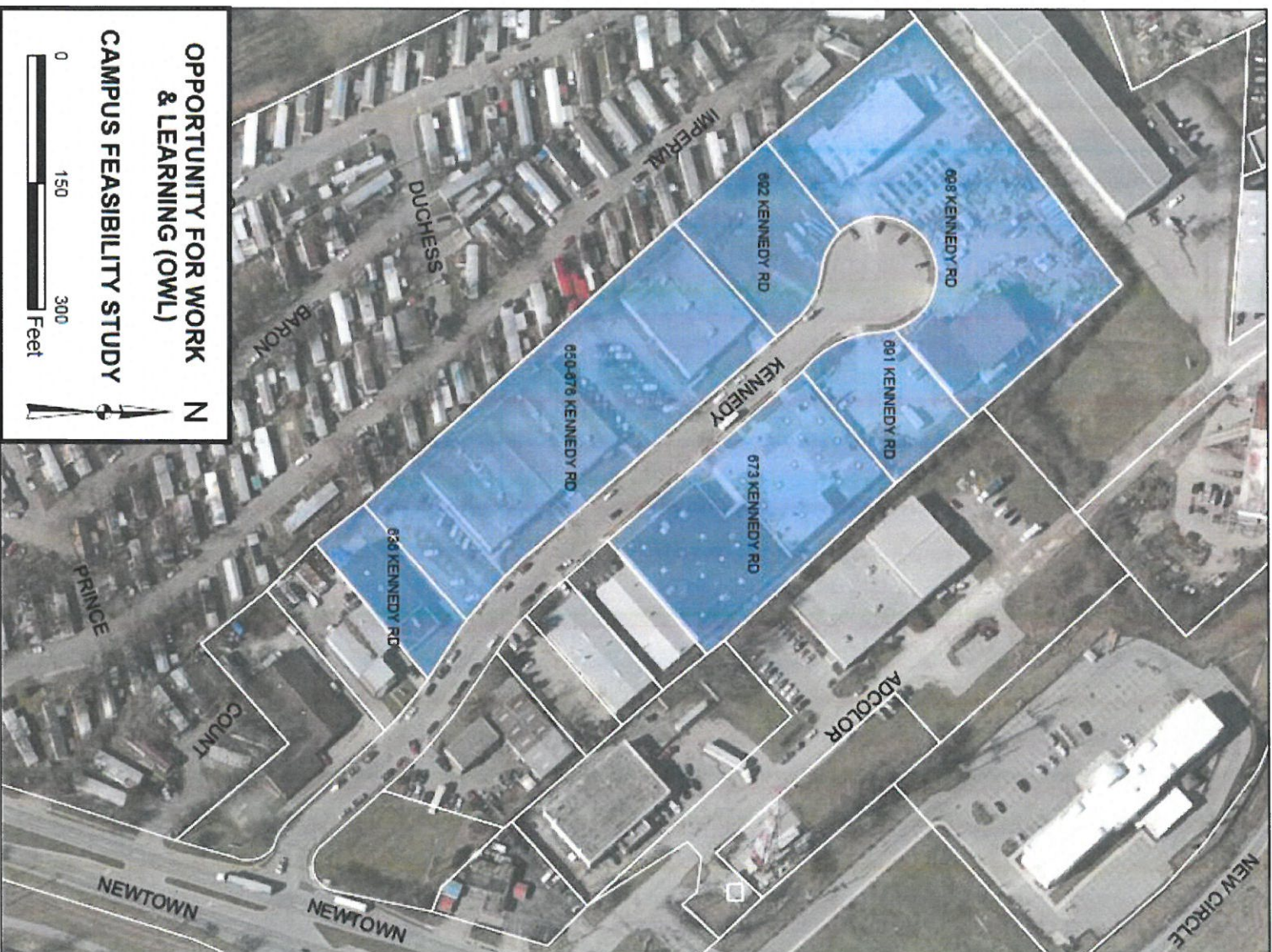




FIGURE 1 - PROJECT AREA



Project Elements include:

**1) EVALUATE THE APPLICABILITY OF THE FOLLOWING THREE GENERAL STORMWATER BMPs AT OWL LOCATIONS:**

- a) Bioretention/Treatment: feasibility of water quality and quantity control. Bio-retention features (including bioswales, rain gardens, wetlands, or other detention/retention structures) capable of detaining and filtering the Water Quality Volume (WQV) origination from impervious surfaces at selected areas. This study includes ways to rechannel or intercept overland water flow into pervious surfaces or other structural BMPs. In addition, it looks to disconnect downspouts from storm sewer to other areas away from buildings and treat discharge with appropriate BMPs.
- b) Impervious Area Removal: feasibility of water quality and quantity control. Evaluate potential areas at six OWL properties for a combined removal or retrofitting of up to

80-90 percent total impervious areas. Reduction will reduce peak stormwater runoff velocities originating from OWL areas and prevent erosion of watersheds located downstream.

- c) Educational Signage: design of an educational/interpretive sign panel to be installed adjacent to various BMPs, if applicable.

## **2) FINAL FEASIBILITY REPORT**

The results of the Feasibility Study will be presented in a final report that will include:

- a. A list of BMP's that are determined to be effective and suitable for installation at the Opportunity for Work & Learning (OWL). They will be prioritized for implementation according to input from project collaborators, at a minimum.
- b. A Stormwater BMP Master Plan of the Opportunity for Work & Learning (OWL) will show proposed BMP locations, the area draining to the BMP that will be treated, and its discharge location.
- c. Design and construction cost estimates.
- d. The estimated pollutant removal effectiveness of the BMP.
- e. Special design and construction conditions such as necessary permit, etc.; and land acquisition costs.
- f. Letter certifying all BMPs proposed for design are viable and feasible for the specific site and application.

## **3) PUBLIC EDUCATION**

The public education component of the grant should at a minimum include the following:

- a. In collaboration with Friends of Cane Run, the project looks to provide stormwater educational programs and activities for students and employers of OWL as well as others within the Lexington community and greater Bluegrass areas.

## **REPORTING REQUIREMENTS**

In addition to the reporting requirements outlined in the Grant Award Agreement, the following special items are noted for this project:

- 1) Permissions - The Organization shall provide written authorizations for private property access (including LFUCG Parks) to the LFUCG Grant Manager prior to work on any area for which they are required.
- 2) Grantor shall be provided a minimum of two hard copies of the Final Feasibility Report along with a digital copy.

## **ADDITIONAL GRANT STIPULATIONS**

Note the following additional stipulations related to this project:

NONE

## **EQUIPMENT**

Any equipment purchased with the Grant shall remain the property of the Organization.

## **PERMANENT CAPITAL INFRASTRUCTURE**

Does not apply to this grant. Attachment B is not required for this Agreement.

