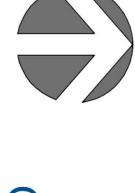


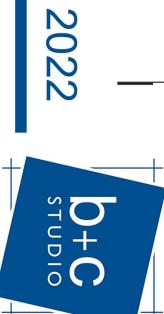
SITE LOCATION

LRO

NRC





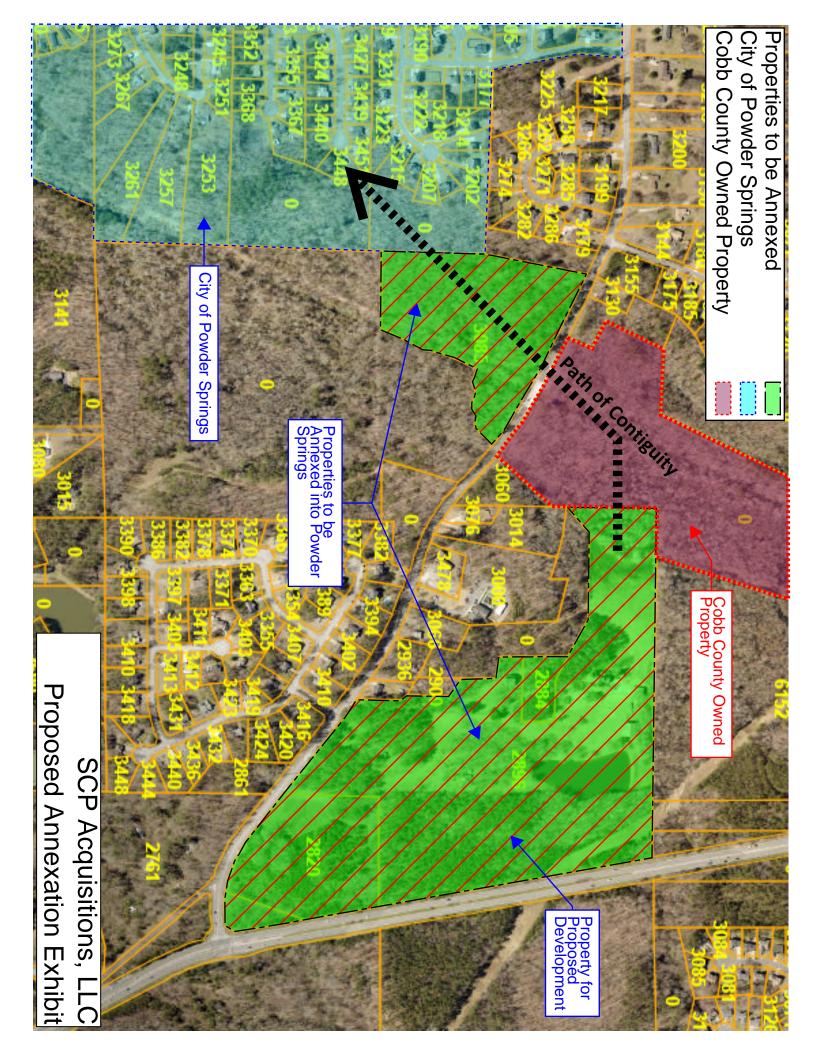


300 FT.

Setbacks:
Front 50'
Side 35'
Rear 40'
Single family setbacks - 20' perimeter, 20' major roadway

PARKWAY

CITY OF POWDER SPRINGS, GEORGIA





Memorandum

To: John Long

SCP Acquisitions, LLC.

From: Abdul Amer, PE
Date: October 27th, 2022

Subject: Trip Generation Memorandum for SCP Barrett Parkway Residential Development on

Ernest West Barrett Parkway in City of Power Springs, Georgia | A&R 22-220

The purpose of this memorandum is to estimate the trip generation that will result from the proposed SCP Barrett Parkway residential development located on northwest corner of the intersection Ernest West Barrett Parkway at Macedonia Road, Powder Springs, Georgia. The location of the development is shown below.



The residential development will consist of the following:

Single-family Detached Housing: 54 Units

Single-family Attached Housing: 119 Units

Multifamily Housing (Low Rise): 160 Units

Multifamily Housing (Mid-Rise): 140 Units







METHODOLOGY

Trip generation estimates for the project were based on the rates and equations published in the 11th edition of the Institute of Transportation Engineers (ITE) <u>Trip Generation Manual</u>. This reference contains traffic volume count data collected at similar facilities nationwide.

<u>Land Use: 210 – Single-Family Detached Housing:</u> A single-family detached housing site includes any single-family detached home on an individual lot. A typical site surveyed is a suburban subdivision.

<u>Land Use: 215 – Single-Family Attached Housing:</u> Single-family attached housing includes any single-family housing unit that shares a wall with an adjoining dwelling unit, whether the walls are for living space, a vehicle garage, or storage space.

<u>Land Use: 220- Multifamily Housing (Low-Rise):</u> Low-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have two or three floors (levels).

<u>Land Use: 221- Multifamily Housing (Mid-Rise):</u> Mid-rise multifamily housing includes apartments and condominiums located in a building that has between four and 10 floors of living space. Access to individual units is through an outside building entrance, a lobby, elevator, and a set of hallways.

TRIP GENERATION

The results of the analysis for the proposed development are shown in Table 1, below.

TABLE 1 — TRIP GENERATION FOR PROPOSED DEVELOPMENT										
Land Use	Size	AM Peak Hour			PM Peak Hour			24 Hour		
		Enter	Exit	Total	Enter	Exit	Total	Enter	Exit	Total
ITE 210- Single-Family Detached Housing	54 units	11	32	43	35	21	56	286	286	572
ITE 215- Single-Family Attached Housing	119 units	17	39	56	38	29	67	428	428	856
ITE 220- Multifamily Housing (Low-Rise)	160 units	17	55	72	56	33	89	550	550	1,100
ITE 221- Multifamily Housing (Mid-Rise)	140 units	11	39	50	34	21	55	311	310	621
Total Trips		56	165	221	163	104	267	1,575	1,575	3,149

Based on trip generation rates published in the Institute of Transportation Engineer's Trip Generation Manual, 11th edition, the proposed residential development will generate 221 new external two-way trips in the AM peak hour, 267 external two-way trips in the PM peak hour, and 3,149 new external two-way trips in a 24-hour duration.

