

101-111 ERWIN ROAD MIXED USE

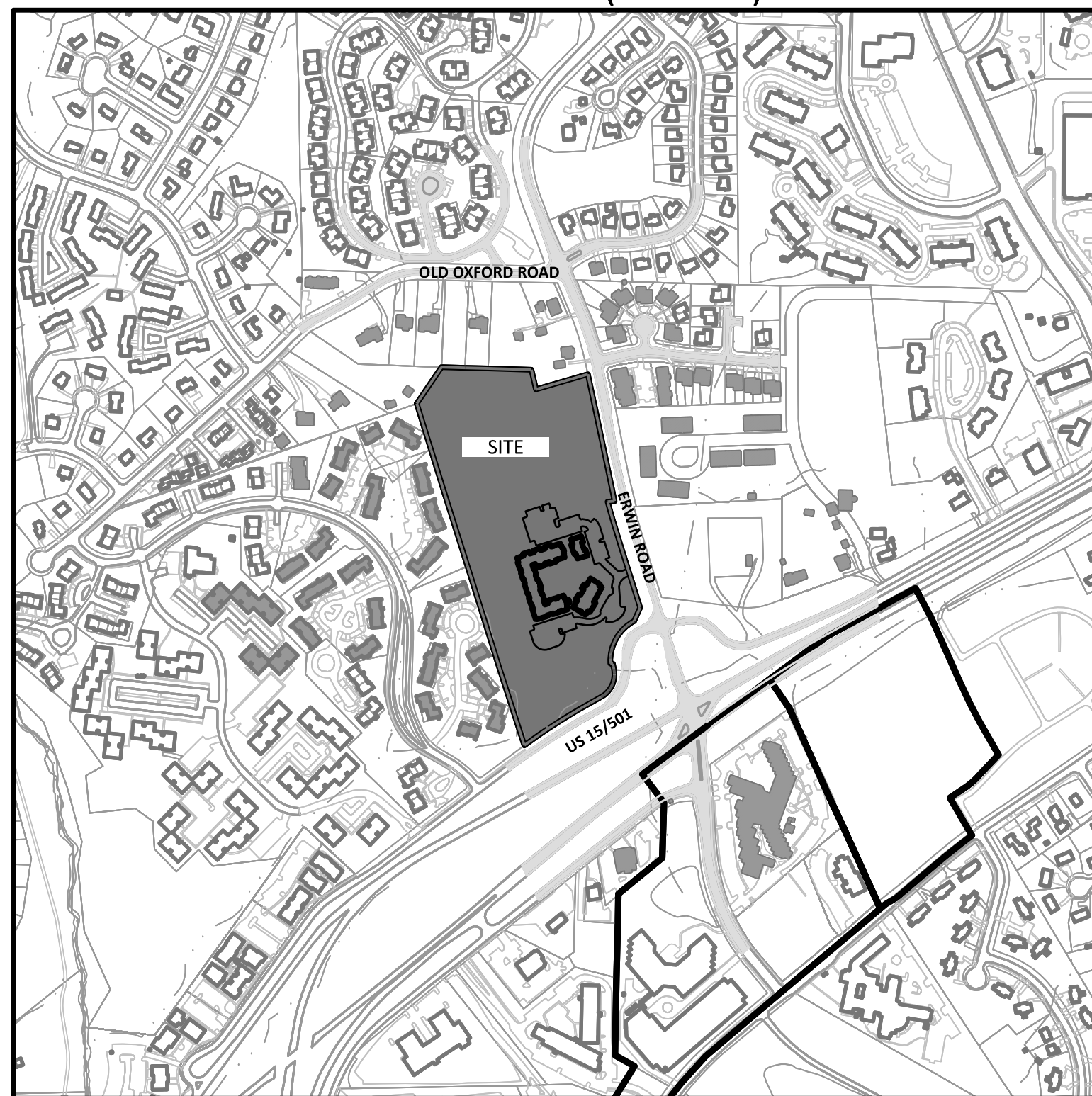
CONCEPT PLAN

CHAPEL HILL, NC

APRIL 25, 2018
 REVISED MAY 18, 2018
 REVISED JULY 24, 2018

CLIENT
 SUMMIT HOSPITALITY, LLC
 3141 JOHN HUMPHRIES WYND #200
 RALEIGH, NC 27612

VICINITY MAP (1"=500')



SHEET INDEX		
SHEET NO.	SHEET NAME	MOST CURRENT REVISION DATE
C1.0	AREA MAP	05/18/2018
C1.1	EXISTING CONDITIONS PLAN	05/18/2018
C2.0	OVERALL SITE LAYOUT PLAN - CONCEPT B	07/24/2018
C2.1	SITE LAYOUT PLAN - CONCEPT B	07/24/2018
C3.0	OVERALL SITE LAYOUT PLAN - CONCEPT A	05/18/2018
C3.1	SITE LAYOUT PLAN - CONCEPT A	05/18/2018

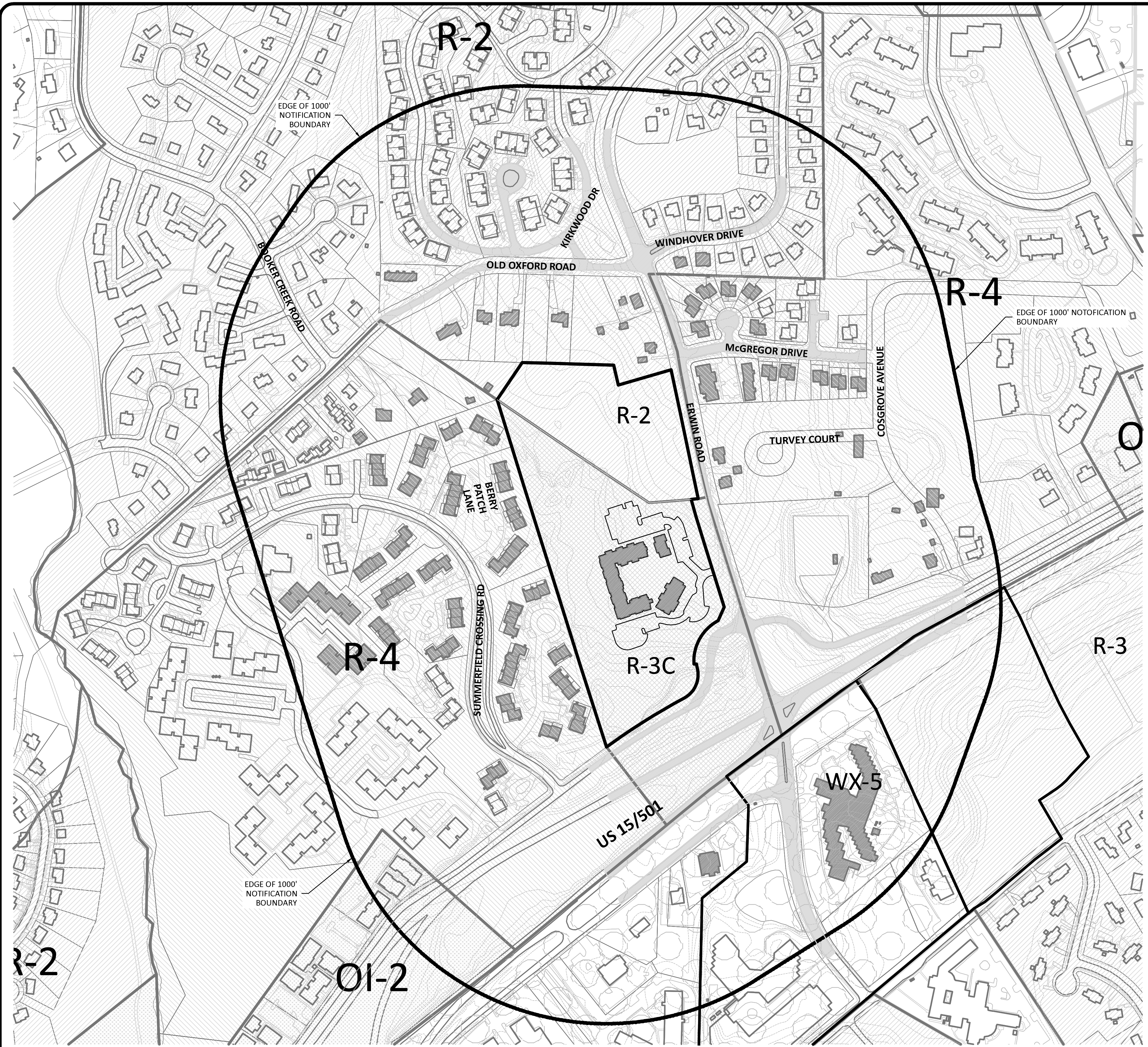
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 CONCEPT PLAN
 REVISED MAY 18, 2018
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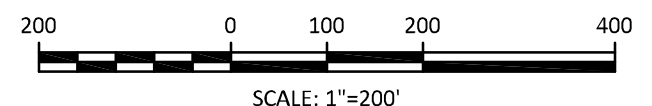
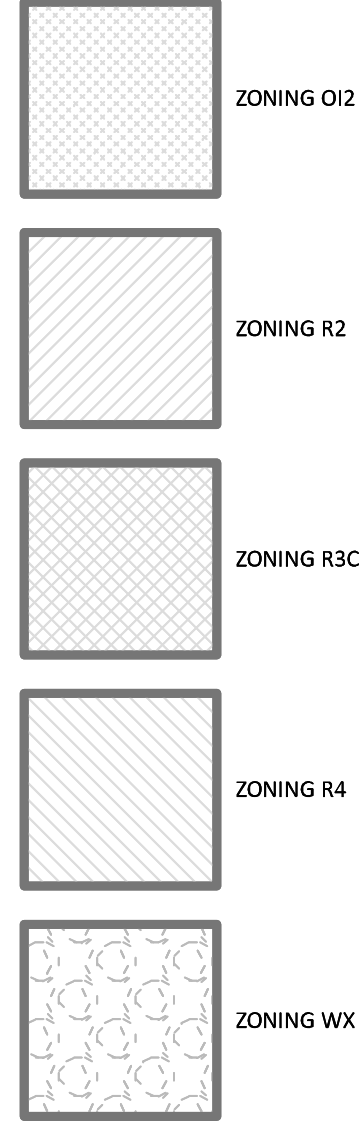
2627 Meacham Road
 Chapel Hill NC 27516

City Planning and Land
 Development Consultants

The Nau Company
 Consulting Civil Engineers
 PO Box 810 | Rolesville, NC 27571
 919-435-6395
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ZONING LEGEND



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2627 Mencham Road
Chapel Hill, NC 27516

RADWAY

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Development Consultants

DESIGN
ASSOCIATES, P.A.

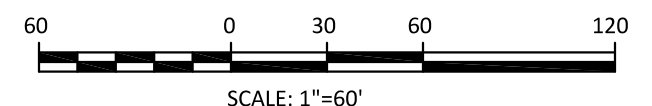
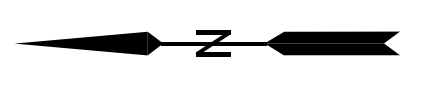
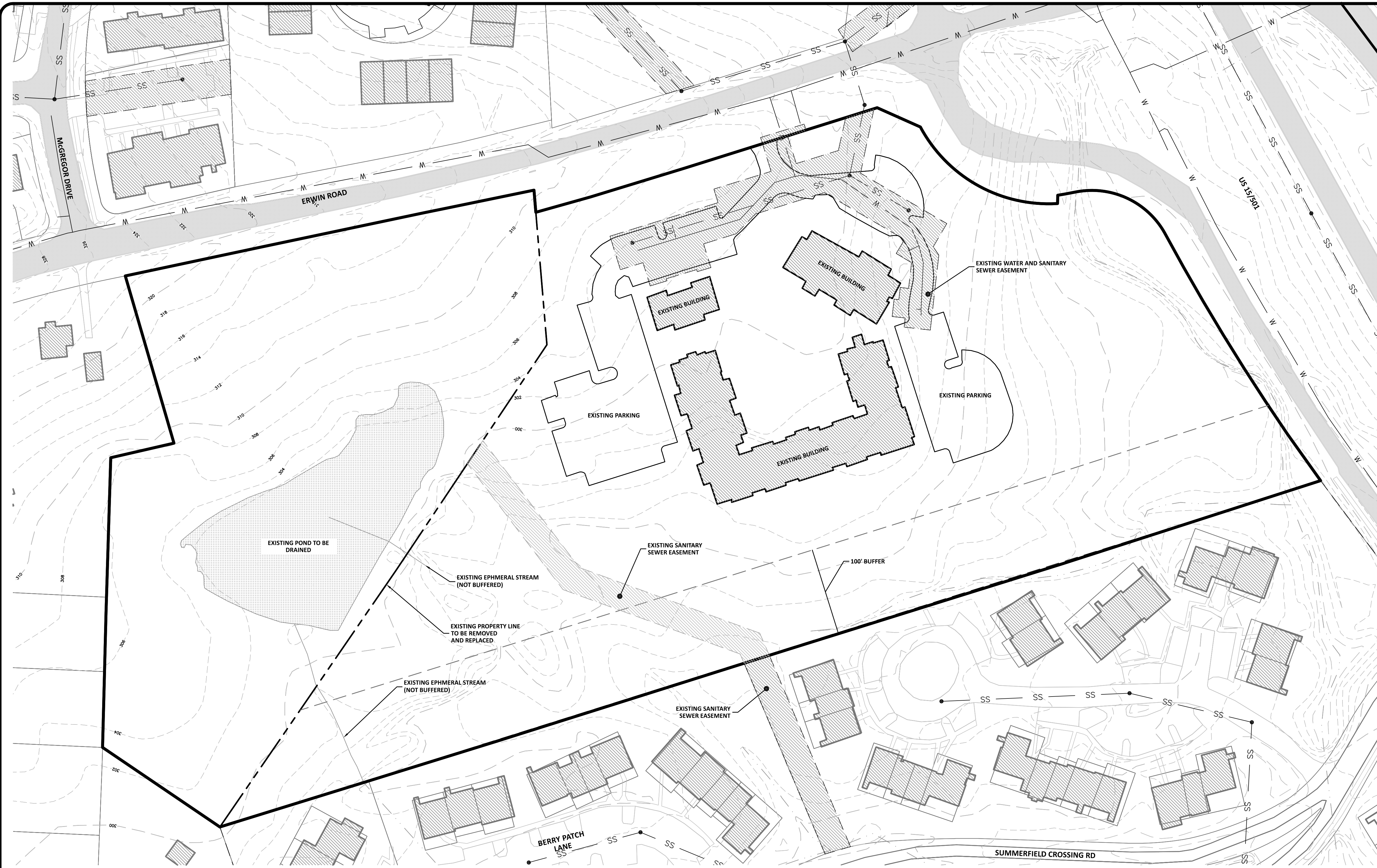
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CLIENT:
SUMMIT HOSPITALITY, LLC
3141 JOHN HUMPHRIES WYND #200
RALEIGH, NC 27612

NO.	DATE	REVISIONS
1	2018-05-21	REVISION FOR DEC.

101-111 ERWIN ROAD MIXED USE
CHAPEL HILL, NC
AREA MAP

PROJECT NO: _____
DESIGN BY: JPE
DRAWN BY: JPE
SCALE: 1"=200'
DATE: 2018-04-25
SHEET NO: **C1.0**



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 Chapel Hill NC 27516

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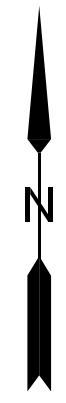
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 27512

NO.	DATE	REVISIONS
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2	2018-07-24	LAYOUT REVISIONS

101-111 ERWIN ROAD MIXED USE
 CHAPEL HILL, NC
 EXISTING CONDITIONS PLAN

PROJECT NO: ...
 DESIGN BY: JPE
 DRAWN BY: JPE
 SCALE: 1"=60'
 DATE: 2018-04-25
 SHEET NO: **C1.1**



2-YEAR STORMWATER VOLUME SUMMARY		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
SITE AREA	336,359 SF	
IMPERVIOUS AREA	14,142 SF	157,811 SF
CURVE NUMBER	79	88
2-YR 24-HR RUNOFF VOLUME	1.058 AC-FT (46,086 CF)	1.519 AC-FT (66,167 CF)
2-YR 24-HR VOLUME INCREASE		0.461 AC-FT (20,081 SF)

ONSITE IMPERVIOUS AREA SUMMARY		
AREA TYPE	PRE-DEVELOPMENT	POST-DEVELOPMENT
ROADS	0 SF	43,780 SF
SIDEWALK	0 SF	14,263 SF
HOUSE FOOTPRINTS	4,936 SF	80,820 SF
DRIVEWAY	9,206 SF	18,948 SF
TOTALS	14,142 SF	157,811 SF

NOTE: IMPERVIOUS FOR POST-DEVELOPMENT HOUSE FOOTPRINTS INCLUDES ALL DECKS, PORCHES, PATIOS ETC. INSIDE THE BUILDING ENVELOPE THAT CONTRIBUTE IMPERVIOUS AREA TO THE SITE.

ANALYSIS POINT #1 - RUNOFF SUMMARY		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
DRAINAGE AREA	119,484 TO POND 44,565 POND BYPASS	290,311 SF TO POND 20,820 SF POND BYPASS
CURVE NUMBER	77 TO POND AND POND BYPASS	89 TO POND 80 POND BYPASS
TIME OF CONCENTRATION	13.1 TO POND 15.7 POND BYPASS	5.0 MIN. TO POND 5.0 MIN. POND BYPASS
1-YEAR 24-HOUR RUNOFF	1.3 CFS	1.2 CFS
2-YEAR 24-HOUR RUNOFF	2.2 CFS	1.8 CFS
25-YEAR 24-HOUR RUNOFF	7.4 CFS	5.6 CFS

NOTES:
1. PRE-DEVELOPMENT AND POST-DEVELOPMENT DRAINAGE AREAS INCLUDE OFFSITE AREA
2. THE 1-YEAR 24-HOUR RUNOFF IS 80% OF THE 2-YEAR 24-HOUR RUNOFF

ANALYSIS POINT #2 - RUNOFF SUMMARY		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
DRAINAGE AREA	119,484 TO POND 155,041 POND BYPASS	27,406 SF (ALL BYPASS)
CURVE NUMBER	77 TO POND 81 POND BYPASS	80 (ALL BYPASS)
TIME OF CONCENTRATION	13.1 TO POND 5.0 POND BYPASS	5.0 MIN. (ALL BYPASS)
1-YEAR 24-HOUR RUNOFF	7.9 CFS	1.3 CFS
2-YEAR 24-HOUR RUNOFF	11.9 CFS	2.0 CFS
25-YEAR 24-HOUR RUNOFF	28.1 cfs	4.7 CFS

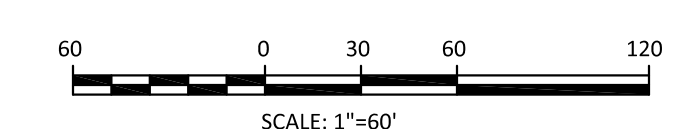
NOTES:
1. PRE-DEVELOPMENT AND POST-DEVELOPMENT DRAINAGE AREAS INCLUDE OFFSITE AREA
2. THE 1-YEAR 24-HOUR RUNOFF IS 80% OF THE 2-YEAR 24-HOUR RUNOFF

ANALYSIS POINT #3 - RUNOFF SUMMARY		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
DRAINAGE AREA	44,457 SF	7,619 SF
CURVE NUMBER	82	80
TIME OF CONCENTRATION	5.0 MIN.	5.0 MIN.
1-YEAR 24-HOUR RUNOFF	2.4 CFS	0.4 CFS
2-YEAR 24-HOUR RUNOFF	3.5 CFS	0.6 CFS
25-YEAR 24-HOUR RUNOFF	7.9 CFS	1.3 CFS

NOTES:
1. PRE-DEVELOPMENT AND POST-DEVELOPMENT DRAINAGE AREAS INCLUDE OFFSITE AREA
2. THE 1-YEAR 24-HOUR RUNOFF IS 80% OF THE 2-YEAR 24-HOUR RUNOFF

NOTE: INFORMATION ON THIS PAGE WAS DEVELOPED BY DAVID WEEKLEY HOMES FOR A PRIOR APPLICATION ON THIS SITE AND FURTHER USE OF THIS INFORMATION WILL BE SUBJECT O A FUTURE AGREEMENT BETWEEN DAVID WEEKLEY HOMES AND SUMMIT

PRE-DEVELOPMENT GROUND COVER LEGEND	
ROADS AND PARKING	
BUILDING	
DRIVEWAY	
POND	
TREES/WOODS	



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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Chapel Hill NC 27516

RADWAY

DESIGN

ASSOCIATES, P.A.

City Planning and Land Development Consultants

PREPARED BY:

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CLIENT:

DAVID WEEKLEY HOMES - RALEIGH
15401 WESTON PARKWAY, SUITE 175
CARY, NC 27513

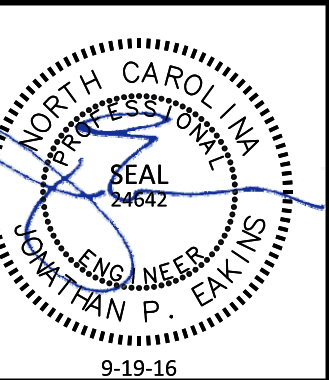
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NO.	DESCRIPTION

**OXFORD RESERVE
SPECIAL USE PERMIT**

CHAPEL HILL, NORTH CAROLINA

**STORMWATER MANAGEMENT PLAN -
PRE-DEVELOPMENT**



PROJECT NO: -

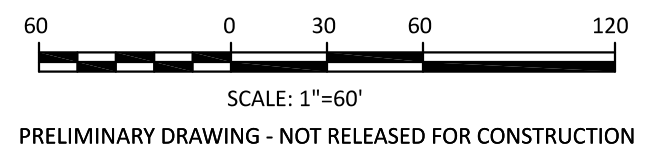
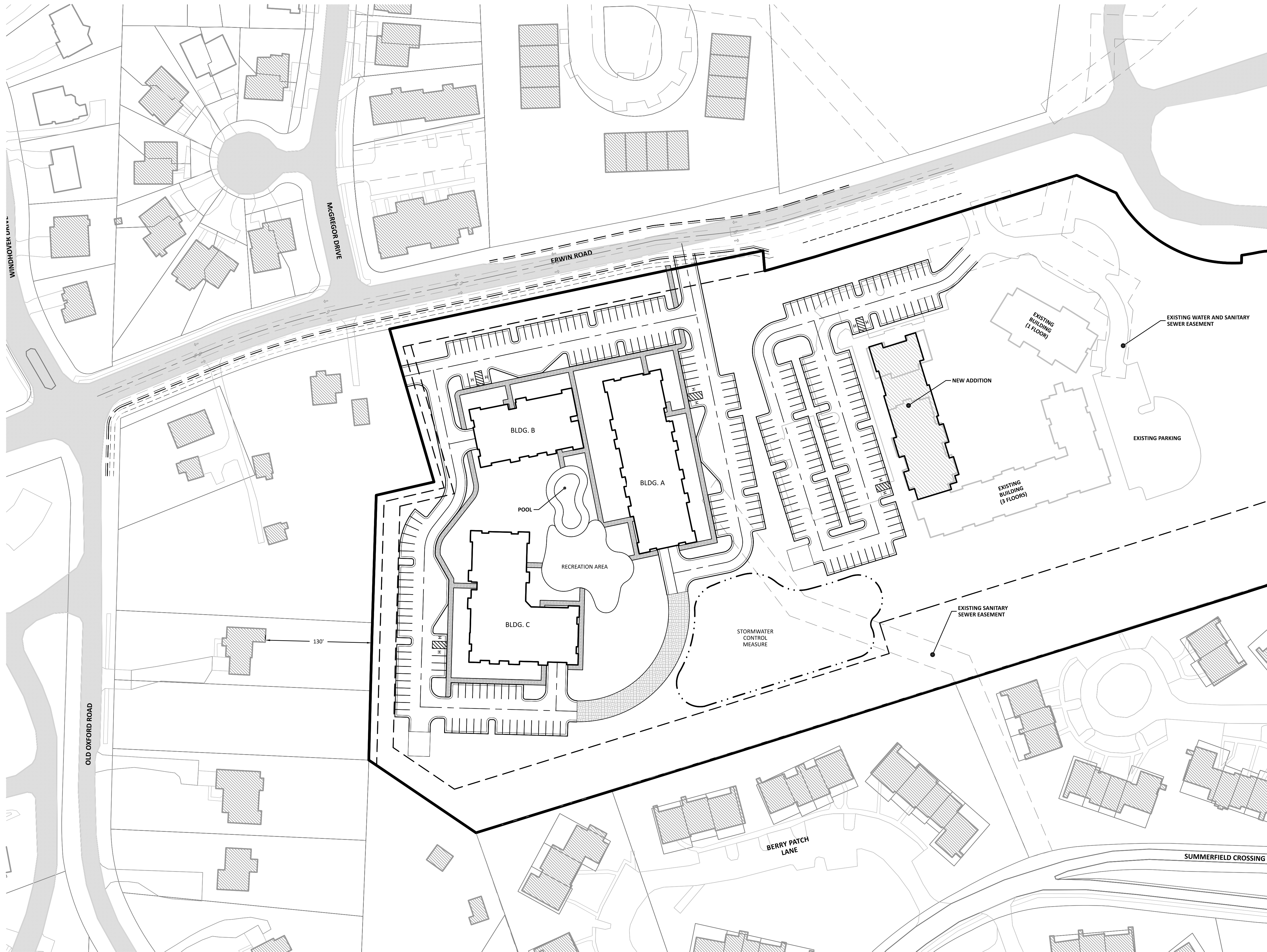
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DRAWN BY: RSF

SCALE: 1"=50'

DATE: 2016-09-29

SHEET NO: **C4.2**



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101-111 ERWIN ROAD MIXED USE

CHAPEL HILL, NC

OVERALL SITE LAYOUT PLAN - CONCEPT B

PROJECT NO: ...

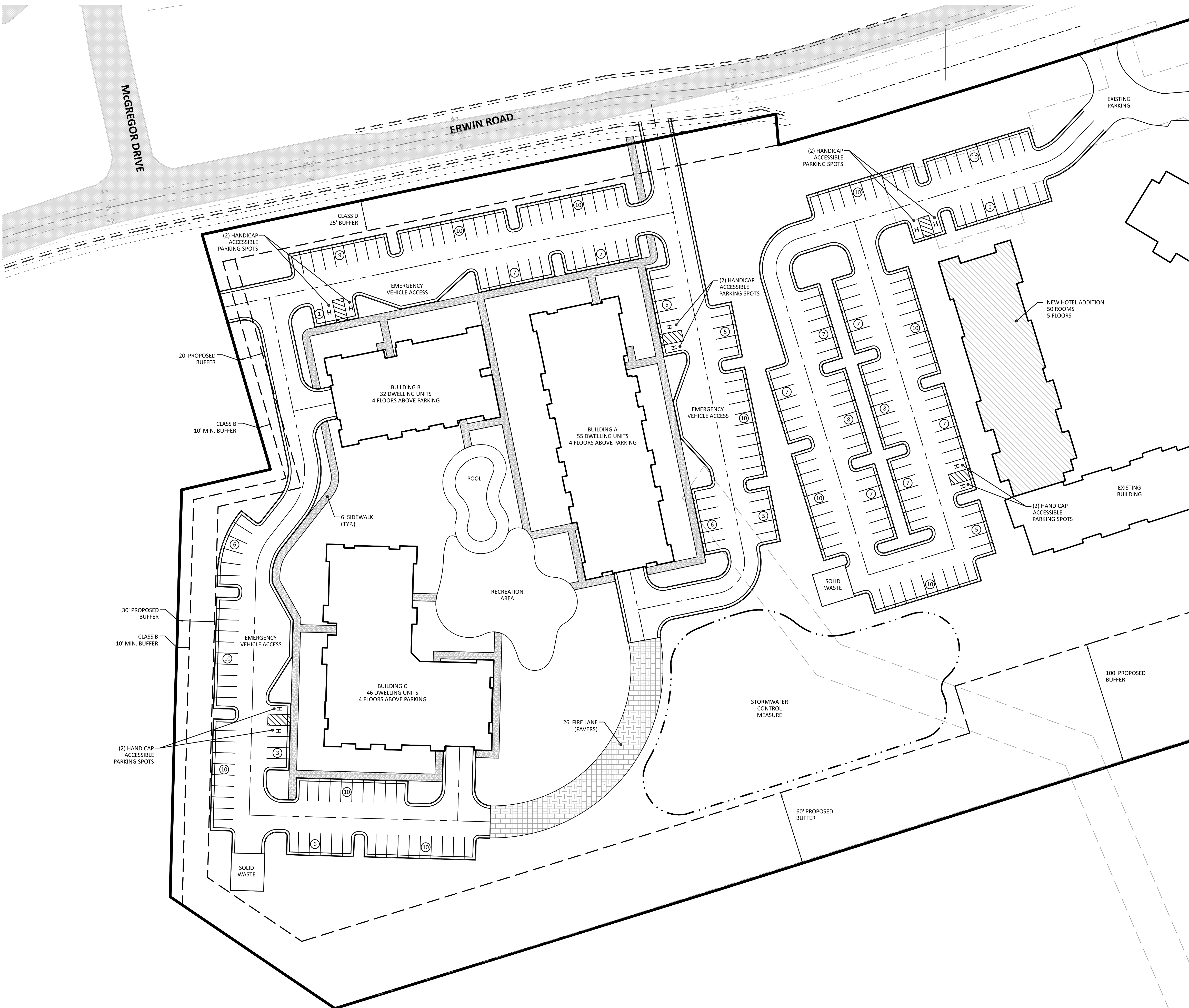
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DRAWN BY: JPE

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DATE: 2018-04-25

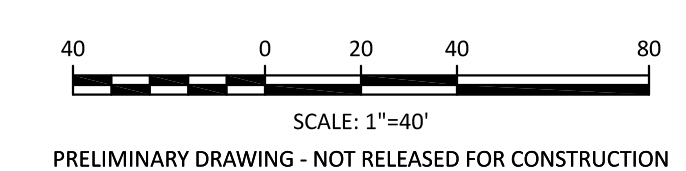
SHEET NO: **C2.0**



PROPOSED SITE DATA	
PROPOSED UNITS - BUILDING A	55 UNITS
PROPOSED UNITS - BUILDING B	32 UNITS
PROPOSED UNITS - BUILDING C	46 UNITS
PROPOSED ROOMS - HOTEL ADDITION	50 ROOMS
TOTAL HOTEL ROOMS (PROPOSED + EXISTING)	258 ROOMS

IMPERVIOUS AREA SUMMARY - RESIDENTIAL AREA	
GROUND COVER	POST-DEVELOPMENT
BUILDINGS	40,479 SF
ROADS/PARKING	69,921 SF
SIDEWALK	10,970 SF
RECREATION/POOL AREA	11,518 SF
TOTAL IMPERVIOUS	132,888 SF

IMPERVIOUS AREA SUMMARY - HOTEL		
GROUND COVER	PRE-DEVELOPMENT	POST-DEVELOPMENT
BUILDINGS	9,739 SF	11,426 SF
ROADS/PARKING	29,945 SF	50,298 SF
TOTAL IMPERVIOUS	39,684 SF	61,724 SF



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CHAPEL HILL, NC

SITE LAYOUT PLAN - CONCEPT B

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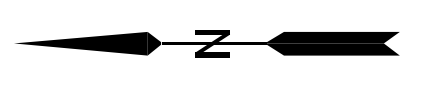
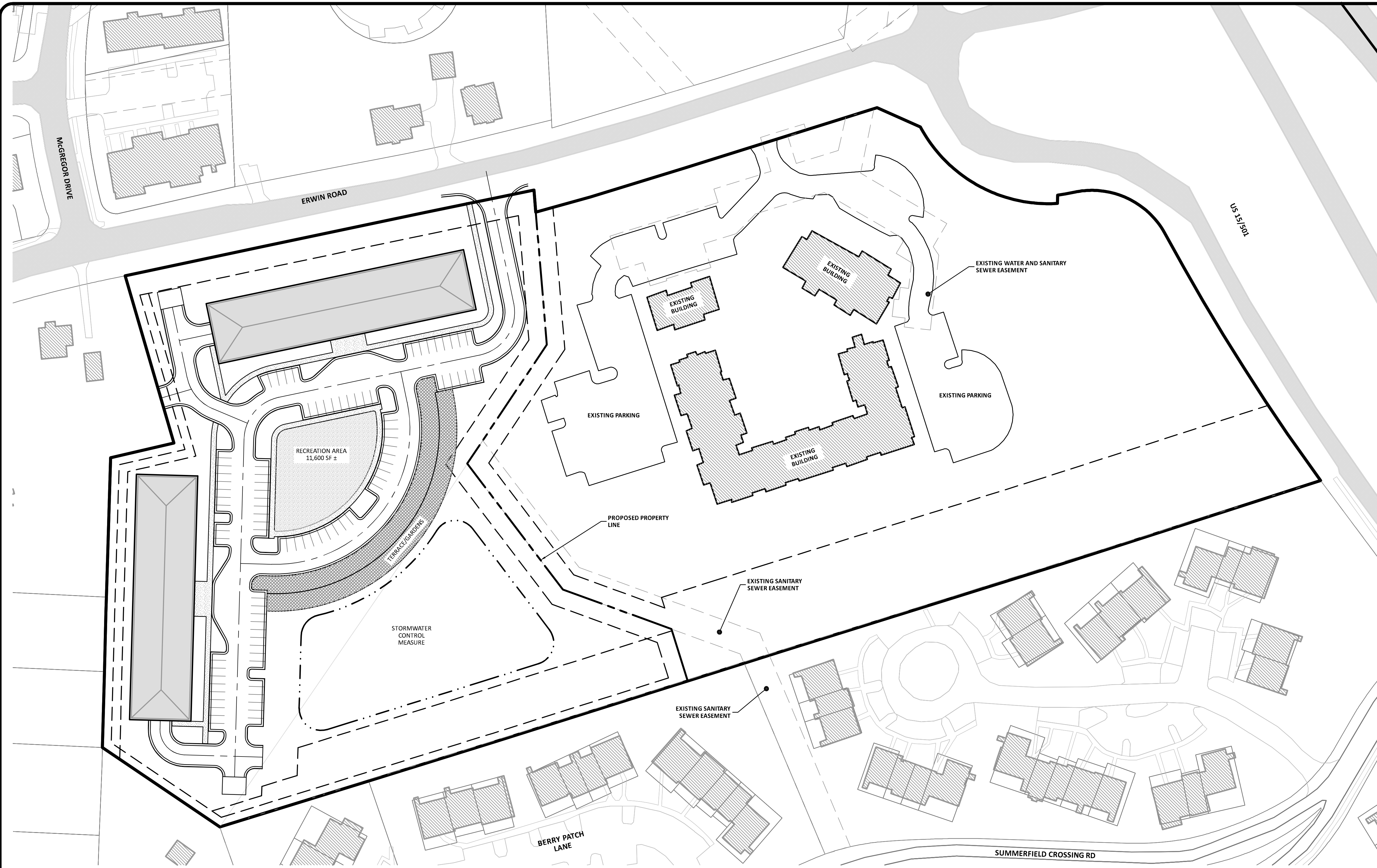
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DRAWN BY: JPE

SCALE: 1"=40'

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CHAPEL HILL, NC

OVERALL SITE LAYOUT PLAN

CONCEPT PLAN A

PROJECT NO: ---

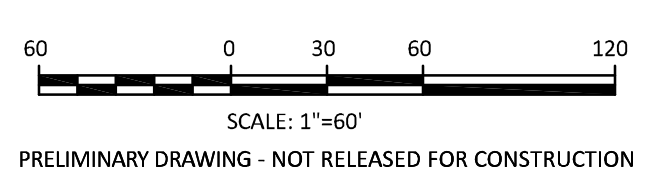
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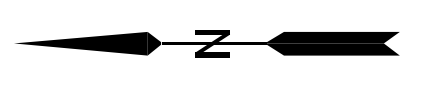
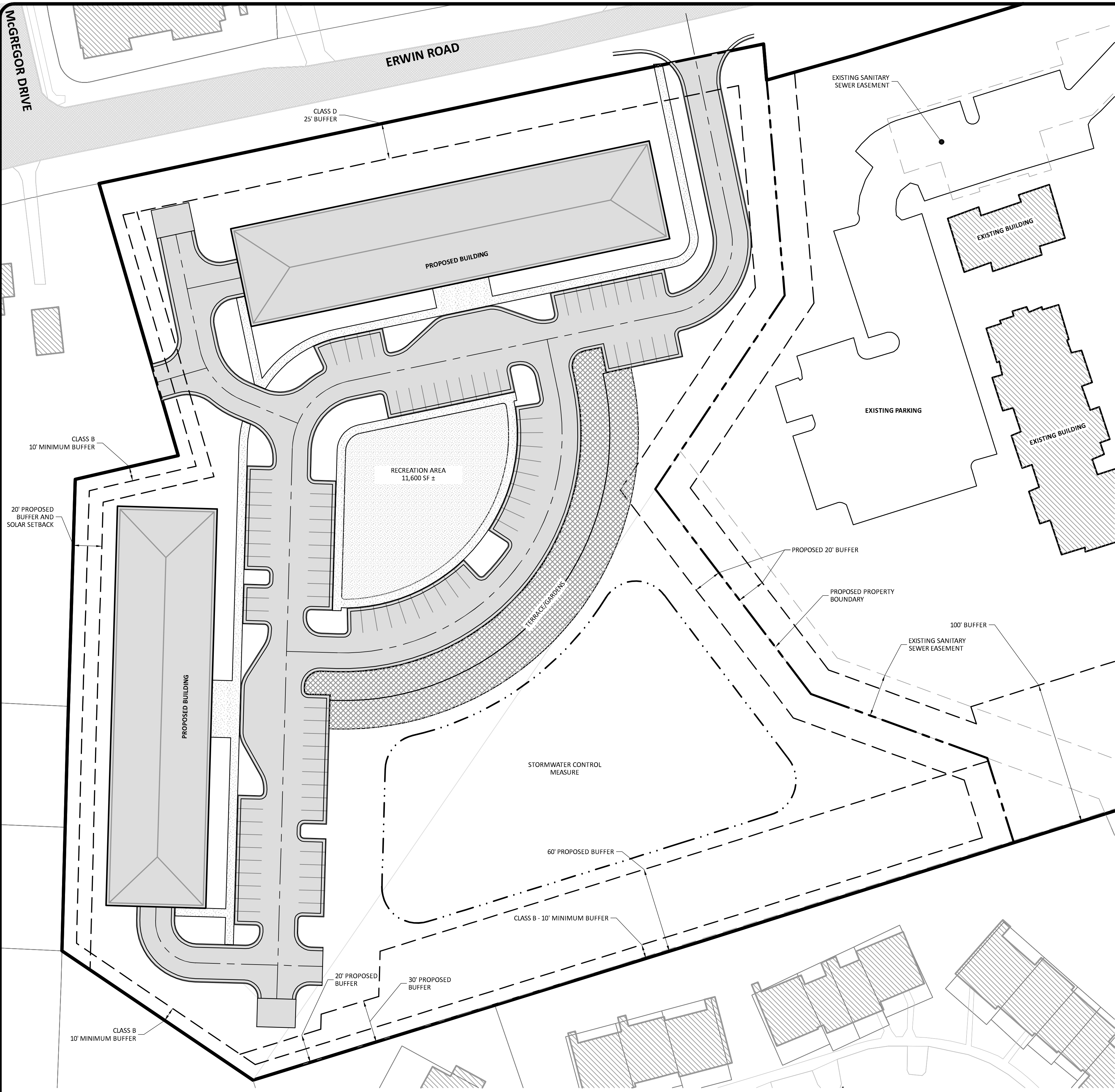
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101-111 ERWIN ROAD MIXED USE

CHAPEL HILL, NC

SITE LAYOUT PLAN

**CONCEPT
PLAN A**

PROJECT NO: ---

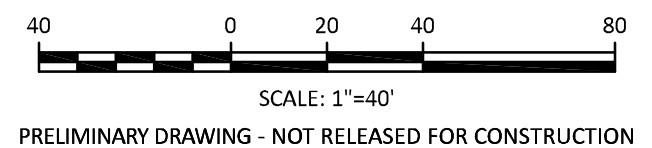
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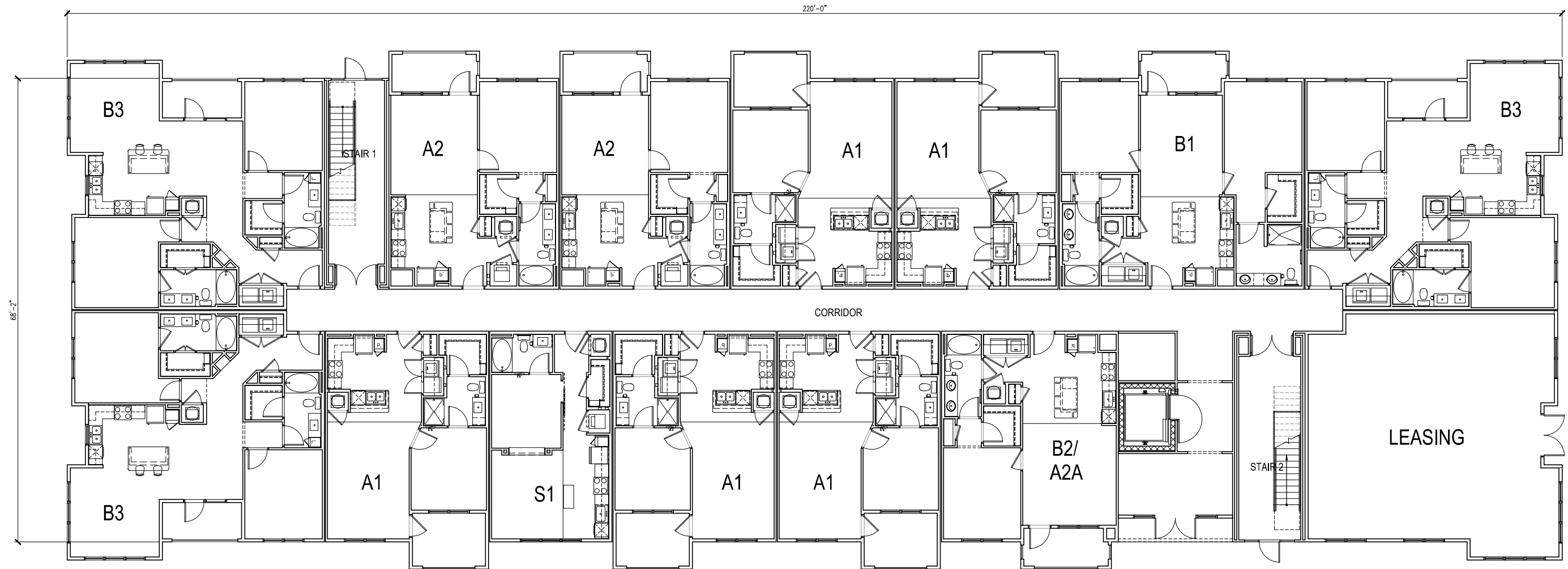
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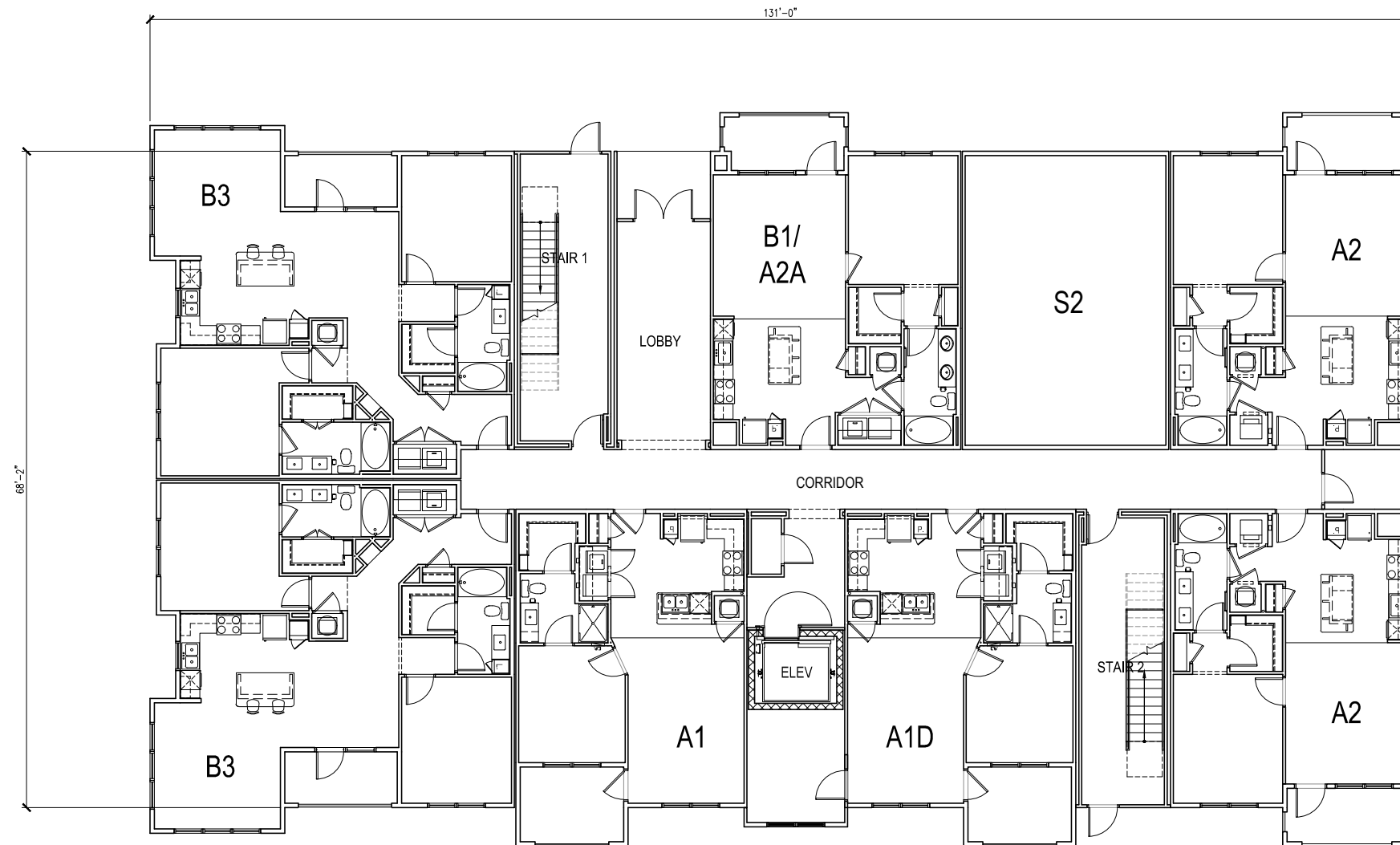
1ST FLOOR - BUILDING TYPE "A"
Preliminary Conceptual Floor Plate



J Davis Architects

Raleigh NC & Philadelphia PA

1ST FLOOR - BUILDING TYPE "B"
Preliminary Conceptual Floor Plate

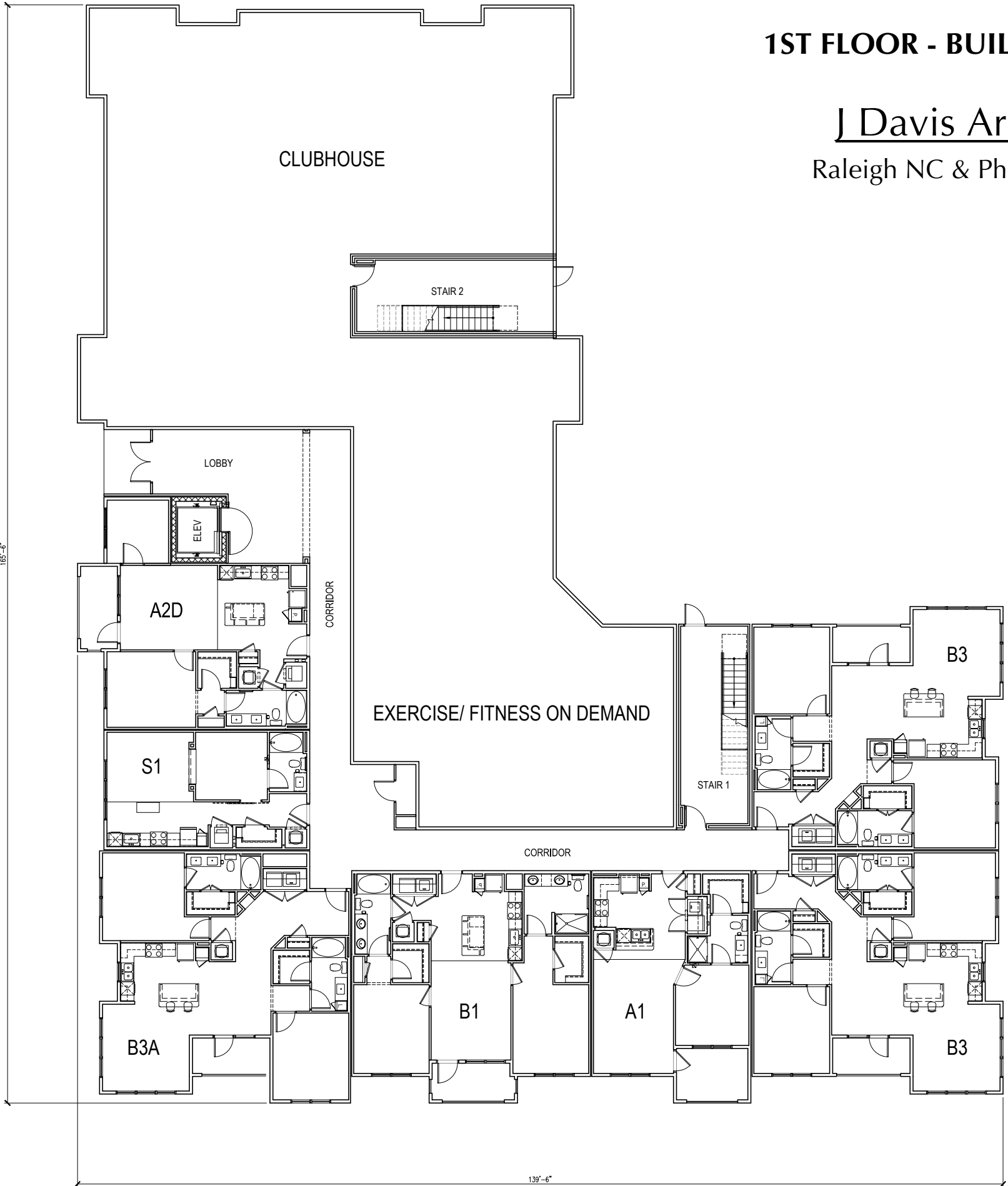


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Raleigh NC & Philadelphia PA

1ST FLOOR - BUILDING TYPE "C"

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2-4 FLOOR - BUILDING TYPE "C"

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