

Town of Knightdale Project

The Lawson of Knightdale

___ Mulford Court Knighdale, NC Wake County

Table 2. Site Trin Generation Summary

Land Use (ITE Code)	Intensity	Daily Traffic (vpd)	AM Peak Hour Trips (vph)		PM Peak Hour Trips (vph)	
			Enter	Exit	Enter	Exit
Multifamily Housing (Mid-Rise) (221)	100 units	550	9	25	27	17
Medical-Dental Office Building (720)	9,000 s.f.	320	20	5	9	22
Total Trips		870	29	30	36	39

DEVELOPMENT DATA

PROPERTY IDENTIFICATION # (PIN): ZONING DISTRICT(S)

1754-14-3746 & 1754-14-0570 NEIGHBORHOOD MIXED USE (NMX)

OVERLAY DISTRICT: NONE

WATERSHED: RECEIVING STREAM: STREAM CLASSIFICATION:

NEUSE RIVER MANGO CREEK C; NSW 27-32

TOTAL SITE ACRES:

STREAM INDEX:

INSIDE TOWN LIMITS: VACANT

EXISTING USE:

PROPOSED BUILDING USE: MEDICAL OFFICE & SENIOR LIVING FACILITY (101 UNITS) PROPOSED TOTAL BUILDING AREAS 9,000 SF MEDICAL OFFICE & 140,750 SF SENIOR LIVING FACILITY

212,600 SF (4.88 AC)

MAX. BUILDING HEIGHT: MIN LOT AREA:

N/A 32 FT (COMMERCIAL)

4 STORY

REAR SETBACK:

MIN LOT WIDTH:

FRONT SETBACK:

O FT MIN, 25 FT MAX (APARTMENT)

O FT MIN, 10 FT MAX (COMMERCIAL)

SIDE SETBACK: 0 FT OR 5 FT (COMMERCIAL)

10 FT APARTMENT PARKING LOT SCREENING: 10 FT TYPE A BUFFER (PARKING BUFFER)

OFF-STREET PARKING: MAXIMUM PARKING SPACES:

50 (MEDICAL SERVICES: 5.5 SPACES PER 1,000SF GROSS FLOOR AREA) (9,000SF*5.5/1,000=50 SPACES)

101 (SENIOR LIVING FACILITY: 1 SPACE PER UNIT)

(101 UNITS*1=101 SPACES) 151 TOTAL SPACES

MINIMUM PARKING SPACES: 76 (1 MAXIMUM) TOTAL PROVIDED:

ACCESSIBLE SPACES PROVIDED: BICYCLE SPACES REQUIRED: BICYCLE SPACES PROVIDED: PARKING SPACE DIMENSIONS: 9'x18' MIN

LOADING AREA: 1 PROVIDED

DEVELOPER

IGB Incorporated Daniel Tharrington 252-432-1172 430 S. Woodland Rd. Henderson, NC 27536 daniel@igbinc.com www.igbinc.com

CURRENT PROPERTY OWNER

Parker & Associates, Inc 7515 Jefferson Highway #42 Baton Rouge, LA 70806

NET INCREASE OF 25,815 GPD: IMPERVIOUS AREA SUMMARY SITE AREA = 212,600 SF (4.88 AC)BUILDINGS 41,800 SF 0.96 ACRE(S) 19.7 %

24,240 GPD

25 GPD PER PERSON PER SHIFT

1,575 GPD (25 GPD x 63 PEOPLE)

ESTIMATE 63 PEOPLE PER DAY

101 UNITS @ 240 GPD/UNIT

UTILITY NOTE:
PROPOSED 9,000 SF MEDICAL OFFICE BUILDING

SANITARY SEWER FLOW CALCULATIONS: EXISTING CONDITIONS 0 GPD (VACANT)

101 UNIT SENIOR LIVING FACILITY

PAVEMENT 66,330 SF 1.52 ACRE(S) 31.2 % SIDEWALK 18,050 SF 0.41 ACRE(S) 8.5 % 3,050 SF 0.07 ACRE(S) 1.4 % EXISTING IMPERVIOUS AREA: TOTAL IMPERVIOUS AREA 129,230 SF 2.97 ACRE(S) 60.8 % GREEN/OPEN SPACE 83,370 SF 1.91 ACRE(S) 39.2 %

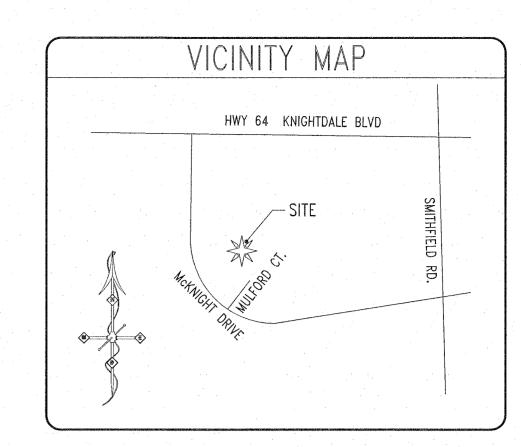
INCREASE IN IMPERVIOUS AREA: 126,180 SF 2.90 ACRE(S)

WATER ALLOCATION NOTE: THE DEVELOPER IS PROPOSING TO MEET THE REQUIREMENTS OF THE TOWN OF KNIGHTDALE WATER ALLOCATION POLICY BY PROVIDING A BIO-RETENTION STORMWATER CONTROL MEASURE AND AN UNDERGROUND FILTER STORMWATER CONTROL MEASURE AND BY ALSO PROVIDING A PUBLIC DISPLAY OF ART

CIVIL ENGINEER

Triangle Site Design, PLLC 4004 Barrett Drive Suite 101 Raleigh, NC 27609 (919)553 - 6570mlowder@trianglesitedesign.com NC LICENSE#P-0619









INDEX OF DRAWINGS

COVER SHEET CO.0

EXISTING CONDITIONS PLAN

SITE PLAN

GRADING & DRAINAGE PLAN

UTILITY PLAN

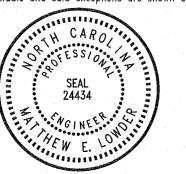
LANDSCAPE PLAN

Town Approved Standards Shall Control: In the event of conflict or inconsistency between these construction drawing and the Town of Knightdale's Approved Standards for this project, the Approved Standards shall control. Town of Knightdale Approved Standards shall mean all development documents necessary for approval for the property including, but not limited to, any special use permit, subdivision plan, site plan, subdivision plat(s), phasing schedule, schedule, Development Agreement, Utility Allocation Agreement, Annexation Agreement, the Town of Knightdale Standard Specification and Details Manual and applicable provisions of the North Carolina State Building Code.

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By:				· . · · · · · · · · · · · · · · · · · ·	Date:			``. 	
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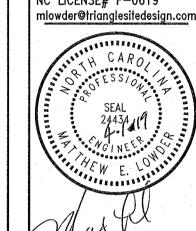
Professional Design Engineer Certification: These improvements shall be constructed in accordance with the following drawings and with the Standard Specifications of the Town of Knightdale.

l, Matthew Lowder, PE, certify that the Standard Specifications of the Town of Knightdale have been thoroughly checked and found to be applicable to this project. All exceptions to the applicable Town standards have been previously approved by the Town of Knightdale and said exceptions are shown on Sheet(s)____ of these



By: Matthew Lowder, PE

CONSULTANT: TRIANGLE SITE DESIGN, PLL 4004 BARRETT DR, STE 10 RALEIGH, NC 27609 (919) 553-6570 NC LICENSE# P-0619



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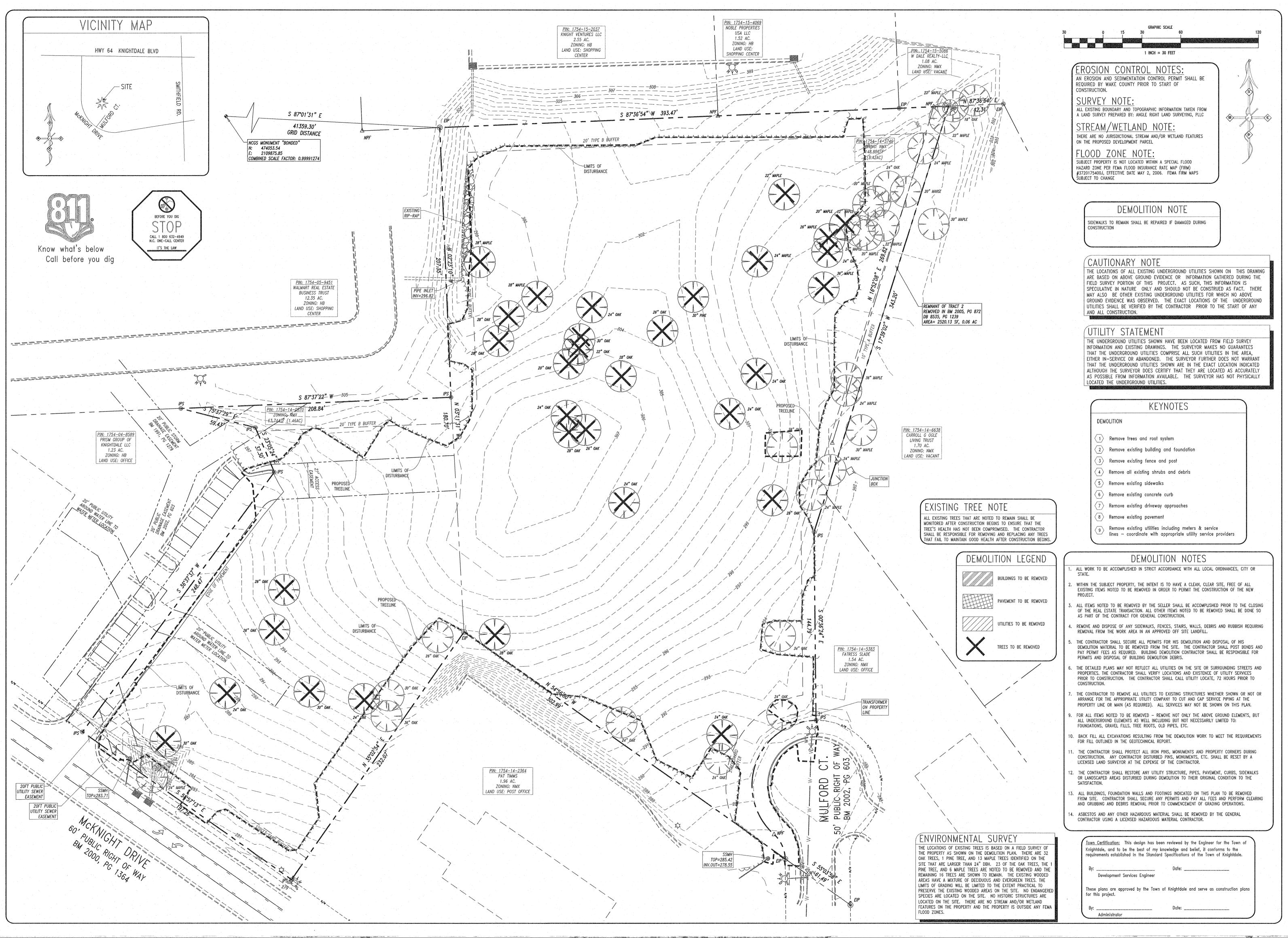
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Triangle Site Design, PLLC.

Checked Approved

April 1, 2019

COVER SHEET



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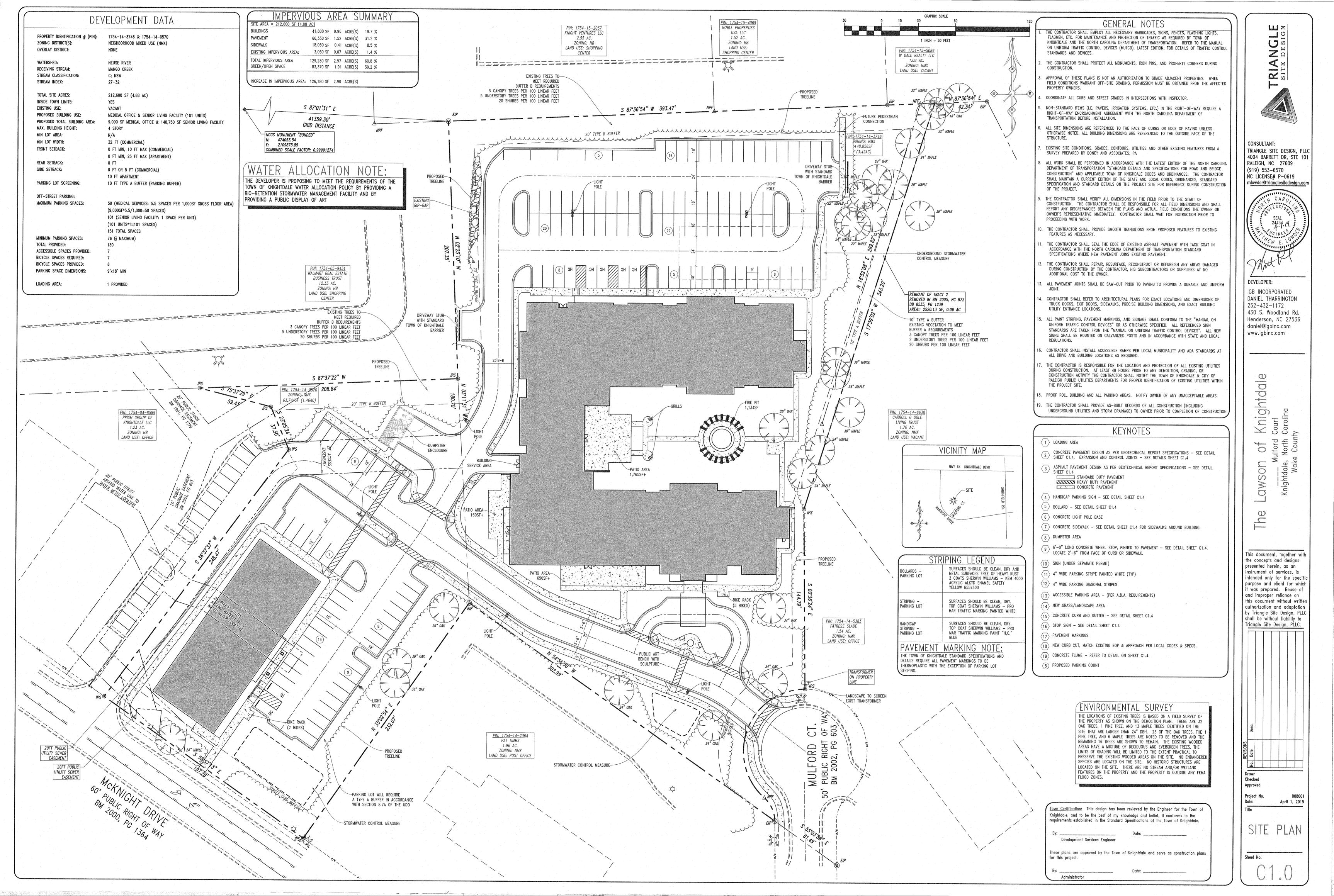
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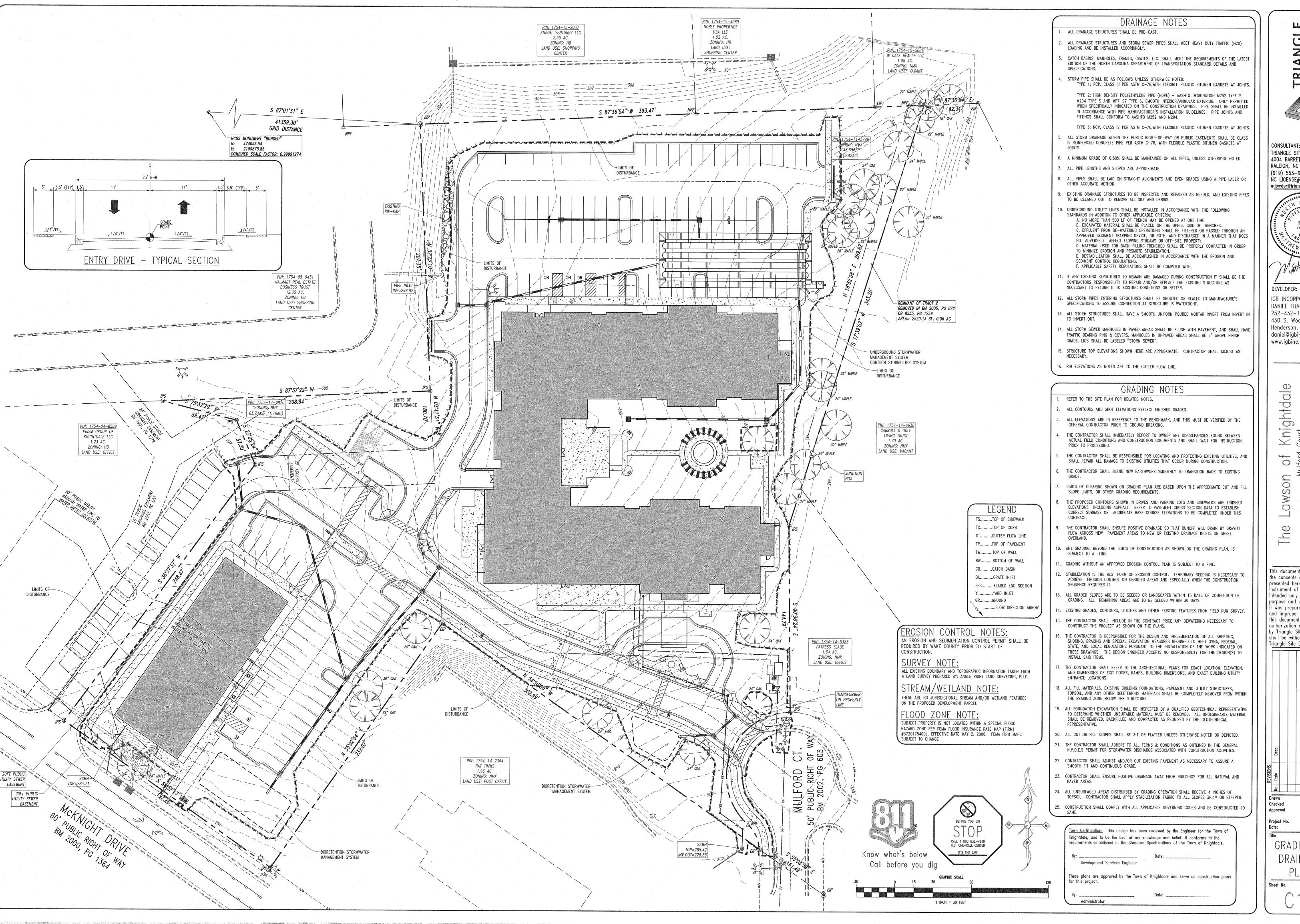
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April 1, 2019

EXISTING CONDITIONS





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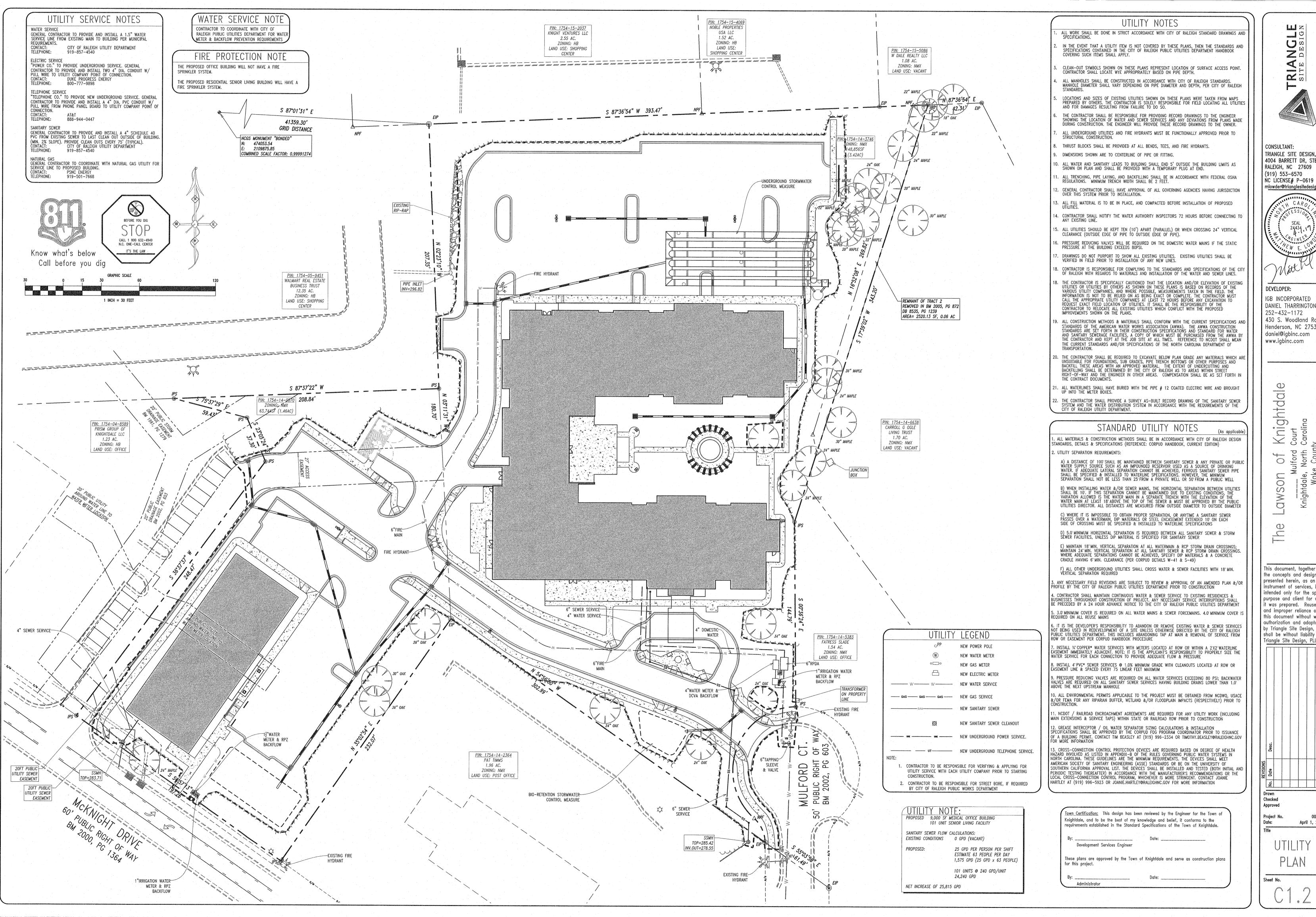
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GRADING & DRAINAGE

April 1, 2019



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Project No April 1, 2019

