

# Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

26 Comm Park Ln

ISSUED TO: Dept of Interiors / Eric Kana SUBDIVISION \_\_\_\_\_ LOT # \_\_\_\_\_  
 NEW  REPAIR  EXPANSION  Site Improvements required prior to Construction Authorization Issuance: \_\_\_\_\_  
 Type of Structure: Business  
 Proposed Wastewater System Type: 25% REDUCTION  
 Projected Daily Flow: 200 GPD  
 Number of bedrooms: \_\_\_\_\_ Number of Occupants: 8 Employees max  
 Basement  Yes  No  
 Pump Required:  Yes  No  May be required based on final location and elevations of facilities  
 Type of Water Supply:  Community  Public  Well Distance from well \_\_\_\_\_ feet Permit valid for:  Five years  
 Permit conditions: LSS Design Permit IS SL 2018-114-Section 11(c).  No expiration

Authorized State Agent: James E. Mansford Date: 1-10-22 SEE ATTACHED SITE SKETCH  
 The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

## Construction Authorization (Required for Building Permit)

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

ISSUED TO: Dept of Interiors / Eric Kana PROPERTY LOCATION: Hwy 210 N 26 Comm Park Ln  
 SUBDIVISION \_\_\_\_\_ LOT # \_\_\_\_\_  
 Facility Type: Business  New  Expansion  Repair  
 Basement?  Yes  No Basement Fixtures?  Yes  No  
 Type of Wastewater System\*\* 25% REDUCTION System (Initial) Wastewater Flow: 200 GPD  
 (See note below, if applicable  25% REDUCTION System (Repair)  
 Installation Requirements/Conditions  
 Septic Tank Size 1000 gallons Number of trenches 2  
 Pump Tank Size 1000 gallons Exact length of each trench 50 feet Trench Spacing: 9 Feet on Center  
 Trenches shall be installed on contour at a Soil Cover: 6 inches  
 Maximum Trench Depth of: 24 inches (Maximum soil cover shall not exceed 36" above the trench bottom)  
 in all directions)  
 Pump Requirements: \_\_\_\_\_ ft. TDH vs. \_\_\_\_\_ GPM Aggregate Depth: 6 inches below pipe  
 \_\_\_\_\_ inches above pipe  
 \_\_\_\_\_ inches total  
 Conditions: Permit Based off of SL 2018-114 Section 11. (c).  
LSS Design Septic System Proposal

**WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA.  
NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA.**

\*\*If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.  
 Owner/Legal Representative Signature: \_\_\_\_\_ Date: \_\_\_\_\_

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: James E. Mansford Date: 1-10-22  
 Construction Authorization Expiration Date: 1-10-27

Application # EH2201-0004

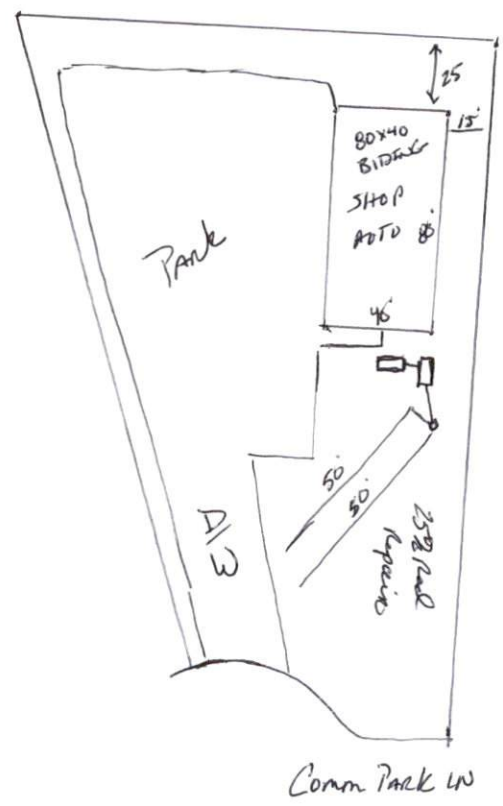
## Harnett County Department of Public Health Site Sketch

Property Location: HWY 210N 26 Comm Park LN

Issued To: Dept of Insurances / Eric King Subdivision \_\_\_\_\_ Lot # \_\_\_\_\_

Authorized State Agent: James E. Mendenhall Date: 1-10-22

\* Permit Based off of SL 2018-114 Section 11. (c)  
LSS Design.



This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, Lillington NC 27546-0400

Phone (910) 893-8743 / Fax (910) 893-3594

www.halowensoil.com

## PROPERTY INFORMATION

Project Name:	26 Comm Park Ln, Angier
Site Address:	26 Comm Park Ln, Angier, NC 27501
S/D Name and Lot#	210 Commercial Park Lot 6
PIN:	0673-24-0911
Size (Acre)	0.64 acre
County:	Harnett

## APPLICANT INFORMATION

Name:	Dept of Interiors, Inc.
Mailing Address:	PO Box 396, Fuquay-Varina, NC 27526
Telephone Number:	919-669-7292
E-mail Address:	deptofinteriorsinc@yahoo.com

**The LSS Evaluation attached to this application is to be used to produce, design, and construct features for permitting in accordance with SL 2018-114 Section 11.(c).**

  
Authorized Signature \_\_\_\_\_ OWNER \_\_\_\_\_ Title \_\_\_\_\_ 1-7-22 \_\_\_\_\_ Date

(Please legibly print name here: \_\_\_\_\_ )

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18 June 2021

Eric Kara  
Dept of Interiors, Inc.  
PO Box 396  
Fuquay-Varina, NC 27526

Reference: LSS Evaluation (SL 2018-114)  
26 Comm Park Ln, Angier, NC

Dear Mr. Kara,

A site investigation was conducted on 9 June 2021 for the above referenced property, which is located at 26 Comm Park Lane off of NC 210 N in Harnett County, North Carolina. The purpose of the investigation was to determine the ability of this lot to support a subsurface sewage waste disposal system and 100% repair area for a proposed business with a maximum of eight employees or a proposed daily flow of 200 gallons. Public water supplies will be utilized. At the time of the investigation, the site had been cleared, the lot corners marked, and the building footprint pinned.

**This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).** The evaluation of soil conditions and site features is provided in accordance with G.S. 130A-335. All ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900". This report represents my professional opinion as a Licensed Soil Scientist.

## SOIL INVESTIGATION

The soils were evaluated under moist soil conditions through the advancing of auger borings. Soils at the site appeared to be formed from sedimentary parent. The soils indicated as provisionally suitable for subsurface sewage waste disposal systems are so rated due to clayey textured subsoil layers (Figure 1). The subsoils were observed to be well drained, friable sandy clay loams and extended to greater than 42 inches below ground surface (see attached soil/site evaluation form). These soils appear adequate to support long-term acceptance rates of 0.5 gal/day/sqft for conventional drainlines.

## SEPTIC SYSTEM DESIGN

Adequate amounts of usable soils were observed on this lot to support an initial septic system and 100% repair area. Initial and repair septic systems have been designed for the proposed business utilizing a design daily flow of 200 gallons. A 1000 gallon (at minimum) septic tank and an approved septic effluent filter is required. A 1000 gallon (at minimum) pump tank will be required to lift effluent to the nitrification field. The long term application rate used to design both the initial and repair drainfields was 0.5 gal/day/ft<sup>2</sup>.

The initial septic system is proposed as a pump driven system to two 50-ft long accepted status drainlines utilizing a 25% reduction in total drainline length. The drainlines should be installed on contour with maximum trench bottom depths at 24 inches below surface.

The repair septic system is proposed as a pump driven system to two 50-ft long accepted status drainlines utilizing a 25% reduction in total drainline length. The drainlines should be installed on contour with maximum trench bottom depths at 24 inches below surface.

Conformance to all regulatory setbacks shall be maintained. The minimum horizontal setback from a septic system to a property line is 10 ft, to a building foundation is 5 feet, and to a water line is 10 feet. All drainlines shall be installed on nine foot centers or greater, as flagged at the site.

Potential septic system drainlines have been demonstrated with various colored pin flags that are located on the lot. **It is important that you do not disturb the septic system area.** It is recommended that a staked line or protective fence be placed around the system prior to construction to eliminate any potential damage to the soil or the layout of the system.

## SYSTEM MAINTENANCE

It is recommended that care be taken to preserve the life of the septic system. The septic tank, pump tank, and distribution boxes should be kept accessible for pumping and adjustment. Your septic system should be inspected periodically and the septic tank pumped out every 3 to 5 years by a professional contractor. Promptly repair leaky fixtures to avoid hydraulically overloading the septic system. Disposal of oils, fats, and grease into the septic system should be avoided because they could clog drainlines and conveyance pipes. Protect the tanks and nitrification field from vehicular traffic. A list of other useful suggestions can be found at <https://content.ces.ncsu.edu/septic-system-owners-guide>

**CONCLUSION**

This report and the attached septic system design information will need to be submitted to the Local Health Department for review and the permitting process. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.



Sincerely,

*Krissina B. Newcomb*

Krissina B. Newcomb

*Hal Owen*

Hal Owen  
Licensed Soil Scientist

SOIL/SITE EVALUATION  
FOR ON-SITE WASTEWATER SYSTEM

APPLICANT: Eric Kara, Dept of Interiors, Inc. OWNER:  AGENT:  PHONE: 919-669-7292  
 ADDRESS: PO Box 396, Fuquay-Varina, NC 27526  
 PROPOSED FACILITY: business PROPOSED DAILY FLOW (.1941): 200 gpd  
 LOCATION OF SITE: 26 Comm Park Ln, Angier PROPERTY SIZE: 0.64 Ac  
 COUNTY: Harnett PROPERTY ID # 0673-24-0911  
 WATER SUPPLY: On-Site Well , Community Well , Public , Other \_\_\_\_\_  
 EVALUATION METHOD: Auger Boring  Pit  DATE EVALUATED: 9 June 2021  
 EVALUATED BY: Hal Owen, LSS 1102, Steven Boor, Hayes Christenbury

**PROFILE 1**

HORIZON	DEPTH (IN)	MATRIX	MOTTLES	MOTTLES ABUNDANCE/ SIZE/CONTRAST	(a)(1) TEXTURE	.1941 (a)(2) STRUCTURE	(a)(3) MINEROLOGY	CONSISTENCE MOIST
	0-6				LS	2 M GR	NEXP	VFR
	6-38				SL	2 M GR	NEXP	VFR
	38-48				SCL	2 M SBK	NEXP	FR
.1940 LANDSCAPE POS./ SLOPE%			L - 1%	.1956 SAPROLITE CLASS			NA	
.1942 SOIL WETNESS CONDITION			>48"	.1944 RESTRICTIVE HORIZON			>48"	
.1943 SOIL DEPTH			>48"	PROFILE CLASSIFICATION & LTAR			PS 0.5 GPD/SF	
COMMENTS								

	INITIAL SYSTEM	REPAIR SYSTEM
.1945 AVAILABLE SPACE	400 sf trench bottom	400 sf trench bottom
SYSTEM TYPE	Accepted status	Accepted status
SITE LTAR (gpd/ft <sup>2</sup> )	0.5	0.5

.1946 OTHER FACTORS: \_\_\_\_\_  
 .1948 SITE CLASSIFICATION: Provisionally Suitable

COMMENTS: \_\_\_\_\_

**LEGEND OF ABBREVIATIONS FOR SITE EVALUATION FORM**

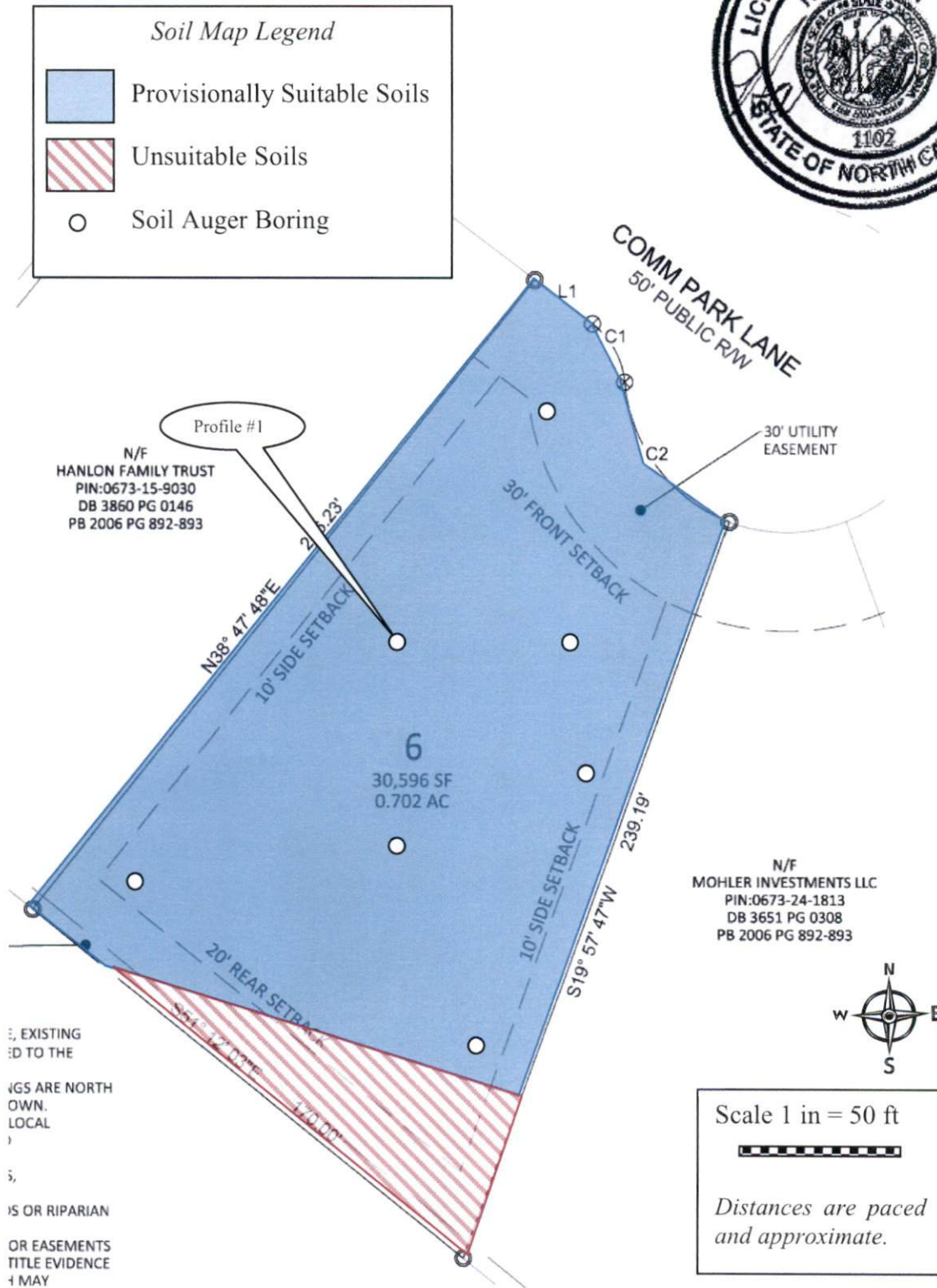
<p><b><u>LANDSCAPE POSITION</u></b>                  CC - Concave Slope                  CV - Convex Slope                  DS - Debris Slump                  D - Depression                  DW - Drainage Way                  FP - Flood Plain                  FS - Foot Slope                  H - Head Slope                  L - Linear Slope                  N - Nose Slope                  R - Ridge                  S - Shoulder Slope                  T - Terrace</p> <p><b><u>MINEROLOGY</u></b>                  SEXP - Slightly Expansive                  EXP - Expansive</p>	<p><b><u>TEXTURE GROUP</u></b></p> <p>I</p> <p>II</p> <p>III</p> <p>IV</p> <p>O</p>	<p><b><u>TEXTURE CLASS</u></b></p> <p>S - Sand                  LS - Loamy Sand</p> <p>SL - Sandy Loam                  L - Loam</p> <p>SCL - Sandy Clay Loam                  CL - Clay Loam                  SiL - Silt Loam                  Si - Silt                  SiCL - Silt Clay Loam</p> <p>SC - Sandy Clay                  C - Clay                  SiC - Silty Clay</p> <p>O - Organic</p>	<p><b><u>.1955 LTAR</u></b>  <b>(gal/day/sqft)</b></p> <p>1.2-0.8</p> <p>0.8 – 0.6</p> <p>0.6 – 0.3</p> <p>0.4 – 0.1</p> <p>none</p>
	<p><b><u>STRUCTURE</u></b>                  G - Single Grain                  M - Massive                  CR - Crumb                  GR - Granular                  SBK - Subangular Blocky                  ABK - Angular Blocky                  PL - Platy                  PR - Prismatic</p>	<p><b><u>MOIST CONSISTENCE</u></b>                  VFR - Very Friable                  FR - Friable                  FI - Firm                  VFI - Very Firm                  EFI - Extremely Firm</p> <p><b><u>MINERALOGY</u></b>                  NEXP - Non Expansive                  SEXP - Slightly Expansive                  EXP - Expansive</p>	<p><b><u>WET CONSISTENCE</u></b>                  NS - Non Stick                  SS - Slightly Sticky                  MS - Moderately Stick                  VS - Very Sticky</p> <p>NP - Non Plastic                  SP - Slightly Plastic                  MP - Moderately Plastic                  VP - Very Plastic</p>
<p><b><u>MOTTLES</u></b></p> <p>f - few                      1 - fine                      F - Faint                  c - common                2 - medium                D - Distinct                  m - many                    3 - coarse                    P - Prominent</p>			

Give Horizon Depth in inches below natural soil surface and Fill Depth in inches above land surface.  
 Depth to Soil Wetness: inches below land surface to free water or to soil colors with chroma 2 or less.  
 Classification S – Suitable PS – Provisionally Suitable U – Unsuitable



LSS Evaluation (SL 2018-114)  
 Soil Investigation and Septic System Design for  
 26 Comm Park Ln, Angier  
 18 June 2021

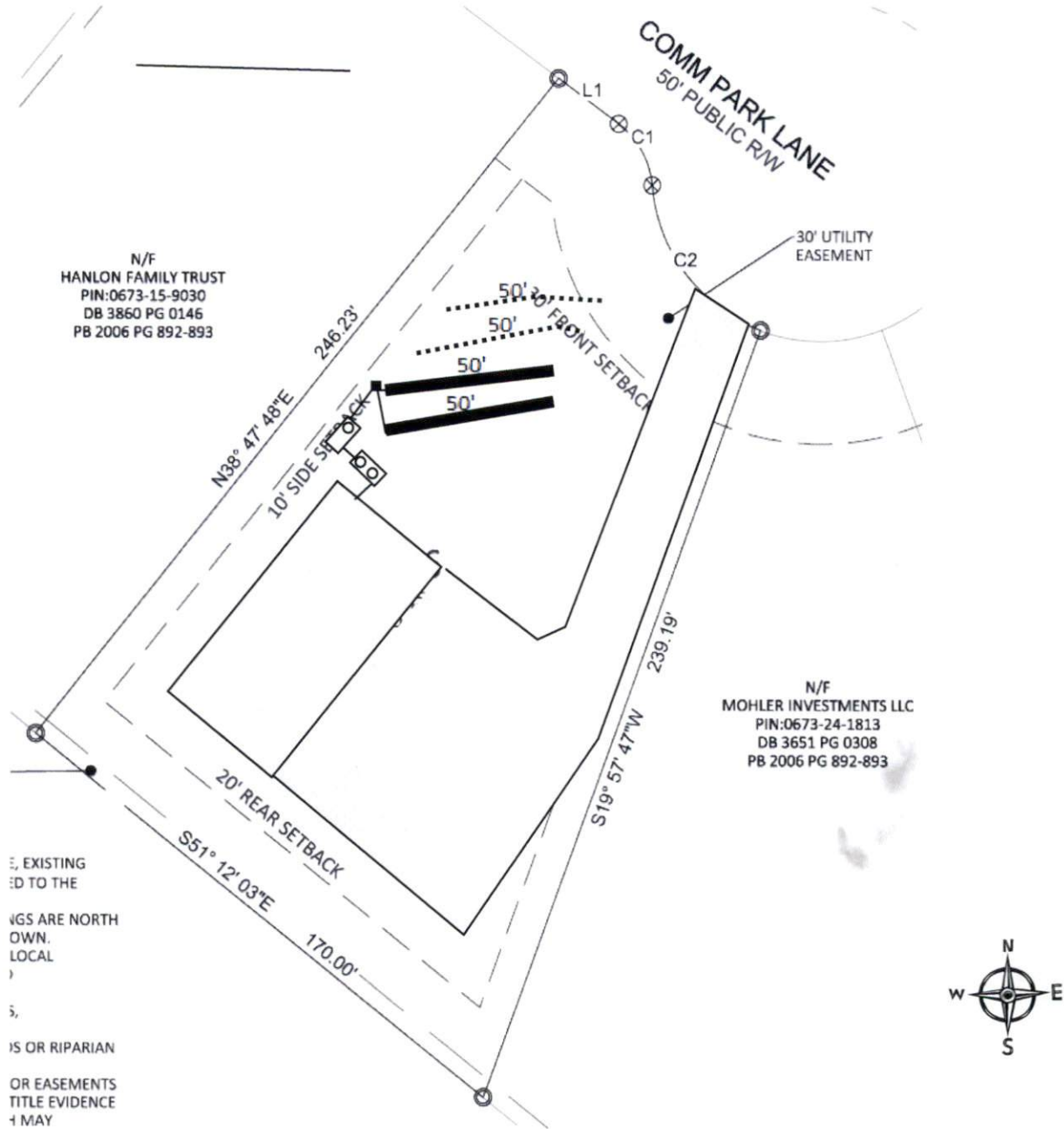
Figure 1. Soil Map showing Septic Suitability



LSS Evaluation (SL 2018-114)  
 Soil Investigation and Septic System Design for  
 26 Comm Park Ln, Angier  
 18 June 2021

Scale 1 in = 50 ft

Figure 2. Septic system design and layout



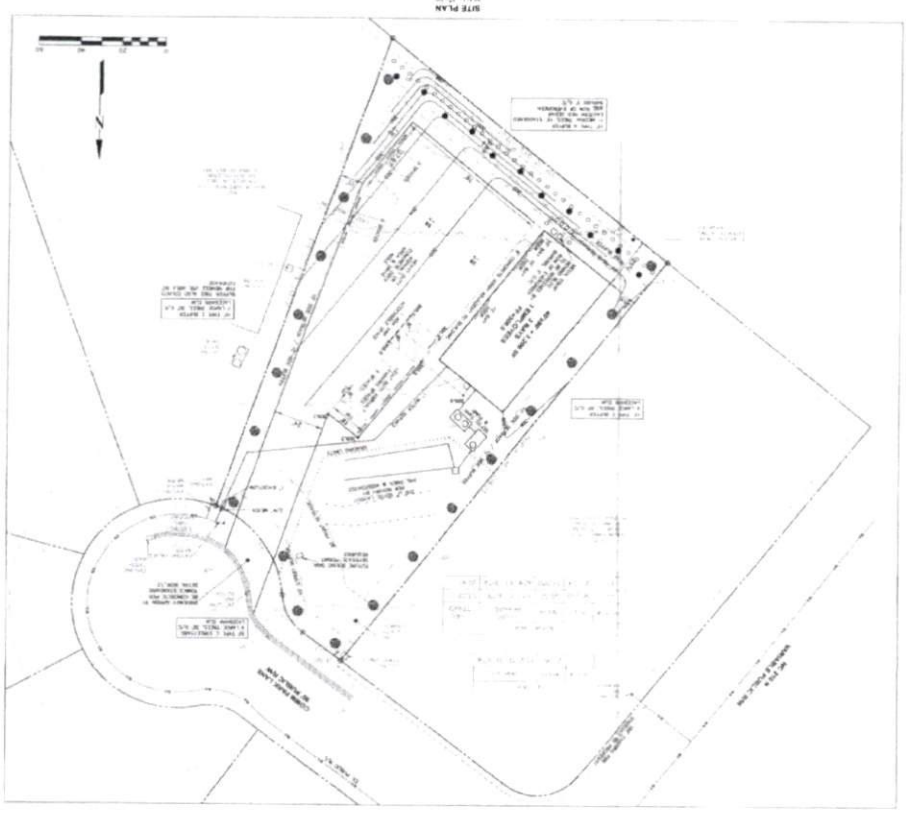
C1

DATE: 01/20/2016  
 DRAWN BY: J. W. BROWN  
 CHECKED BY: J. W. BROWN  
 PROJECT NO.: 160001



28 COMM PARK LANE  
 SUITE 200, RAYNES, NC 27581  
 TEL: 919-487-1100  
 FAX: 919-487-1101  
 WWW.CCE-ENGINEERS.COM

COVER SHEET & SITE PLAN



1. THE SITE PLAN IS FOR THE PROPOSED DEVELOPMENT OF THE SITE SHOWN ON THE ATTACHED SITE PLAN. THE DEVELOPER HAS PROVIDED ALL NECESSARY INFORMATION FOR THE PREPARATION OF THIS SITE PLAN. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE SITE AND HAS FOUND THAT THE INFORMATION PROVIDED IS ACCURATE AND COMPLETE. THE ENGINEER HAS ALSO CONDUCTED A VISUAL INSPECTION OF THE SURROUNDING AREA AND HAS FOUND THAT THE SITE IS ACCESSIBLE AND AVAILABLE FOR THE PROPOSED DEVELOPMENT. THE ENGINEER HAS ALSO CONDUCTED A VISUAL INSPECTION OF THE PROPOSED DEVELOPMENT AND HAS FOUND THAT THE DEVELOPMENT IS IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND REQUIREMENTS. THE ENGINEER HAS ALSO CONDUCTED A VISUAL INSPECTION OF THE PROPOSED DEVELOPMENT AND HAS FOUND THAT THE DEVELOPMENT IS IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND REQUIREMENTS.

SITE DATA	
PROJECT NO.	160001
PROJECT NAME	COMMERCIAL PARKWAY DEVELOPMENT
CLIENT	COMMERCIAL PARKWAY DEVELOPMENT
DATE	01/20/2016
LOCATION	28 COMM PARK LANE, SUITE 200, RAYNES, NC 27581
OWNER	COMMERCIAL PARKWAY DEVELOPMENT
DESIGNED BY	J. W. BROWN
CHECKED BY	J. W. BROWN
DATE	01/20/2016
SCALE	AS SHOWN
PROJECT NO.	160001
PROJECT NAME	COMMERCIAL PARKWAY DEVELOPMENT
CLIENT	COMMERCIAL PARKWAY DEVELOPMENT
DATE	01/20/2016
LOCATION	28 COMM PARK LANE, SUITE 200, RAYNES, NC 27581
OWNER	COMMERCIAL PARKWAY DEVELOPMENT
DESIGNED BY	J. W. BROWN
CHECKED BY	J. W. BROWN
DATE	01/20/2016
SCALE	AS SHOWN





Know what's below.  
Call before you dig.

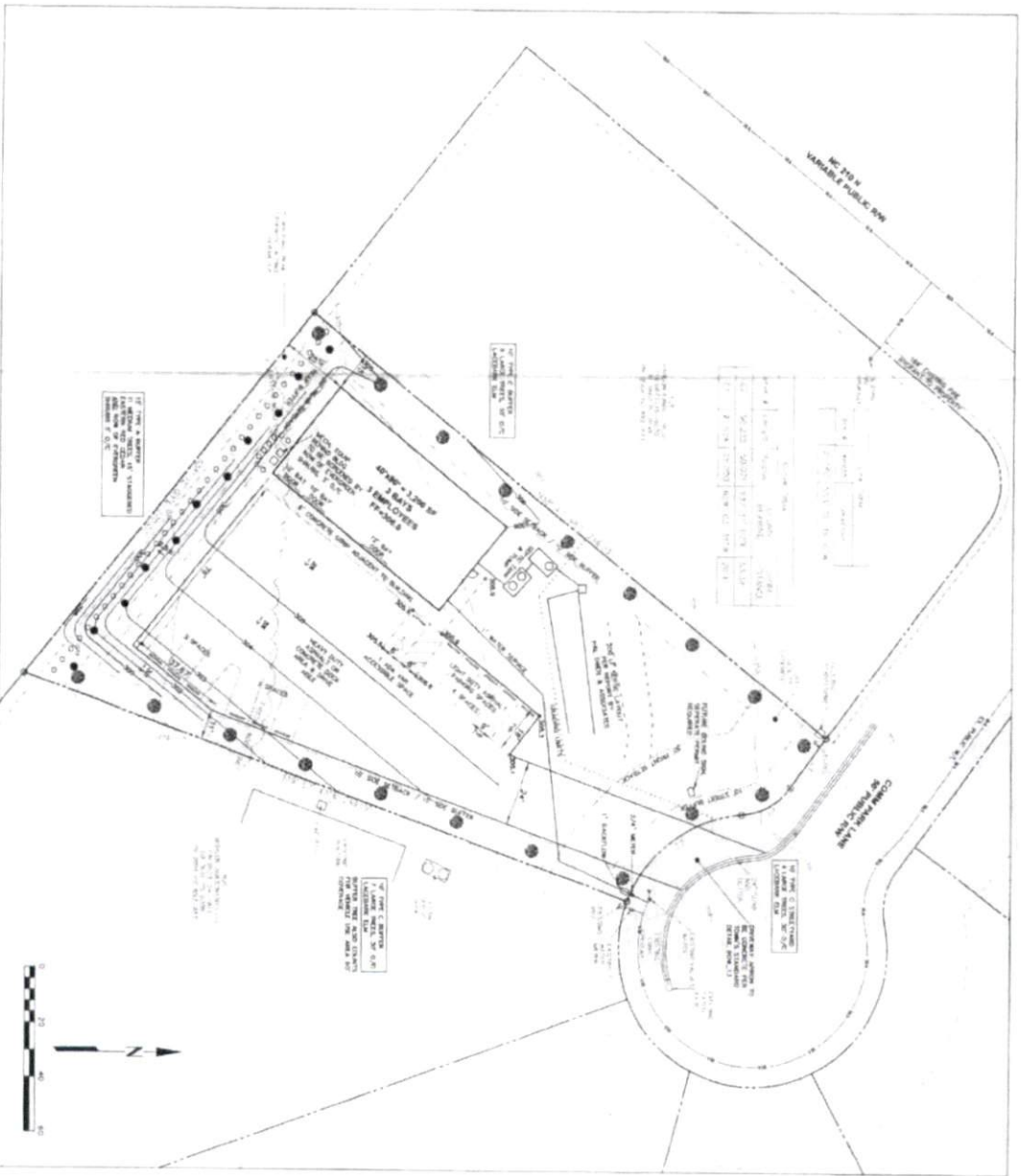


**OWNER**  
NORTH STATE, LLC  
1010 S. MAIN ST., SUITE 100  
ANGIER, NC 27913  
PH: 252.733.7242

**ENGINEER**  
CAPITAL CIVIL ENGINEERING, PLLC  
1010 S. MAIN ST., SUITE 100  
ANGIER, NC 27913  
PH: 252.733.7242

**SITE DATA**

SECTION	216 COMMERCIAL PLANN
RECORDED DIST	DIST BOOK 1677 PAGE 23
LOT NUMBER	1
ADDRESS	26 COMM PARK LANE
ADJACENT CO. PAR. NO.	1671, 1672, 1673, 1674
ZONING	GC - GENERAL COMMERCIAL
AREA	0.70 ACRES
PROPOSED USE	RETAIL
INDUSTRY OF OPERATION	ACCOUNTS SERVICE
CONSTRUCTION TYPE	FRAME WOODSHEED TRAILER STABILITY
OCCUPANCY TYPE	4-8
ROOF TYPE OR FINISH	5'-1"
WALL TYPE OR FINISH	5'-1"
NEAR AND STRAINS	12"
FOUNDATIONS REQUIRED	20"
FOUNDATION TYPE	REINFORCED CONCRETE
FOUNDATIONS REQUIRED	4" x 12" STRIPS
FOUNDATIONS TYPE	12" STRIPS WITH 120# ADA REBAR
FOUNDATIONS REQUIRED	1" STRIPS
FOUNDATIONS TYPE	5" x 8" CONCRETE
FOUNDATIONS REQUIRED	3" x 3" JOISTS
FOUNDATIONS TYPE	18"
FOUNDATIONS REQUIRED	1.5" x 8"
FOUNDATIONS TYPE	WOOD ON BRG LOT
FOUNDATIONS REQUIRED	N/A
FOUNDATIONS TYPE	N/A
FOUNDATIONS REQUIRED	4" x 12"
FOUNDATIONS TYPE	CONCRETE
FOUNDATIONS REQUIRED	N/A
FOUNDATIONS TYPE	N/A
FOUNDATIONS REQUIRED	N/A
FOUNDATIONS TYPE	N/A
FOUNDATIONS REQUIRED	N/A
FOUNDATIONS TYPE	N/A



**SITE PLAN**  
SCALE: 1"=20'

**INDEX**  
10 OTHER SHEETS AND ONE PLAN  
11 COVER SHEET  
12 COVER SHEET PLAN  
13 OTHER SHEETS PLAN

- 1. ALL CONSTRUCTION PERFORMED IN ACCORDANCE WITH TOWN OF ANGER ORDINANCES.
- 2. DESIGN COMPLETE.
- 3. SITE OWNER'S ASSUMPTION: NO EXISTING UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO: WATER, SEWER, GAS, ELECTRIC, CABLE TELEVISION, AND TELECOMMUNICATIONS SERVICES.
- 4. PROVISIONS ARE MADE TO INCLUDE ALL UTILITIES AND TELECOMMUNICATIONS SERVICES TO BE DELETED IN RELATION TO THE CONSTRUCTION OF THIS PROJECT.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE TOWN OF ANGER.
- 6. ALL SITE DIMENSIONS SHALL BE PROVIDED.
- 7. LANDSCAPE INSTALLATION AND MAINTENANCE PER ANGER ORD. 7-4.2 AND 7-4.3.
- 8. MATERIALS TO BE PROVIDED BY CONTRACTOR: FRAMING LUMBER, TRUSSING OR EXTERIOR SIDING.

**C1** PROJECT NO. 10/18/20

DATE: JANUARY 3, 2022

**CCE** CAPITAL CIVIL ENGINEERING, PLLC  
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PH: 252.733.7242  
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**26 COMM PARK LANE**  
26 COMM PARK LANE, ANGIER, NC 27901  
GC (GENERAL COMMERCIAL) ZONING - TOWN OF ANGIER

**COVER SHEET & SITE PLAN**