



NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

ROY COOPER • Governor
KODY H. KINSLEY • Secretary
MARK BENTON • Deputy Secretary for Health
SUSAN KANSAGRA • Assistant Secretary for Public Health
Division of Public Health

Submittal Includes: [x] (a2) Improvement Permit [x] (a2) Construction Authorization [] Fee \$ _____

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: Harnett
PIN/Lot Identifier: 0529-88-6162
Issued To: BC Wellors Knoll
Property Location: 65 Wild Turkey Way, Lillington NC 27546
Subdivision (if applicable) Wellors Knoll Lot #: 55 Block: Section:
LSS Report Provided: Yes [x] No []
If yes, name and license number of LSS: Alex Adams - LSS #1247
New [x] Expansion [] System Relocation [] Change of Use []
Proposed Structure: Single Family
Number of bedrooms: 3 Number of Occupants: 6 Other:
Design Wastewater Strength: [x] domestic [] high strength [] industrial process
Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): .35 Proposed LTAR (Repair): .35
Proposed Wastewater System Type*: Accepted Status (Initial) Pump Required: [x] Yes [] No [] May be required
Proposed Wastewater System Type*: PPBPS (Repair) Pump Required: [x] Yes [] No [] May be required
*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)
Saprolite System (initial): [] Yes [x] No Saprolite System (repair): [] Yes [x] No
Fill System (Initial): [] Yes [x] No If yes, specify: [] New [] Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Fill System (repair): [] Yes [x] No If yes, specify: [] New [] Existing (when adding more than 6 inches of fill to system area provide a fill plan)
Usable Soil Depth (Initial): 24 Usable Soil Depth (Repair): 26
Max. Trench Depth (Initial)*: 12 Max. Trench Depth (Repair)*: 14 * Measured on the downhill side of the trench
Artificial Drainage Required: [] Yes [x] No If yes, please specify details:
Type of Water Supply: [] Private well [] Public well [] Shared well [x] Municipal Supply [] Spring [] Other:
Drainfield location meets requirements of Rule .1945: Yes [x] No [] Drainfield location meets requirements of Rule .1950: Yes [x] No []
Permit valid for: [x] Five years [site plan submitted pursuant to GS 130A-334(13a)] [] No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

Licensed Soil Scientist Print Name: Alex Adams
Licensed Soil Scientist Signature: Alex Adams Date: 7/8/24

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).
See attached site sketch

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 Six Forks Road, Building 3, Raleigh, NC 27609
MAILING ADDRESS: 1632 Mail Service Center, Raleigh, NC 27699-1632
www.ncdhhs.gov • TEL: 919-707-5854 • FAX: 919-845-3972

This Section for Local Health Department Use OnlyInitial submittal received: 7-11-24 by MFO
Date Initials

G.S. 130A-335(a3) states the following:

When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The Department shall develop a common form for use as the Improvement Permit.

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

 Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

 CompleteState Authorized Agent: Moh M REIB Date: 7-17-24

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. 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 permit 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 the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 12-31-25***See attached site sketch***

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)County: HarnettPIN/Lot Identifier: 0529-88-6162Issued To: BC Wellors KnollProperty Location: 65 Wild Turkey Way. Lillington NC 27546AOWE/PE Plans/Evaluations Provided: Yes No If yes, name and license number of AOWE/PE: Alex Adams - AOWE#10021EFacility Type: Single Family New Expansion Repair System Relocation Change of UseBasement? Yes No Basement Fixtures? Yes NoType of Wastewater System* Accepted Status (Initial) PPBPS (Repair)

*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)

Design Daily Flow: 360 GPD Wastewater Strength: domestic high strength industrial processSession Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? Yes No
(if yes, please provide engineering documentation)**Installation Requirements/Conditions**Septic Tank Size: 1000 gallons Total Trench/Bed Length: 300 feet Trench/Bed Spacing: 9 feet on centerTrench/Bed Width: 36 inches LTAR: .35 gpd/ft²Soil Cover: 6 inches Slope Corrected Maximum Trench/Bed Depth[†]: 12 inches * Measured on the downhill side of the trenchAggregate Depth: 6 inches above pipe 6 inches below pipe 12 inches totalPump Tank Size (if applicable): 1000 gallons Requires more than 1 pump? Yes NoPump Requirements: 16.19 ft. TDH vs. 30.7 GPM Grease Trap Size (if applicable): _____ gallonsDistribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other: _____Artificial Drainage Required: Yes No If yes, please specify details: _____**Legal Agreements** (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)Multi-party Agreement Required [.1937(h)]: Yes NoEasement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: Yes NoDeclaration of Restrictive Covenants: Yes NoPre-Construction Conference Required: Yes No

Conditions: _____

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

AOWE/PE Print Name: Alex Adams Expiration Date: 12/31/25AOWE/PE Signature: Alex Adams Date: 7/8/24

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch

This Section for Local Health Department Use Only

Initial submittal received: 7-11-24 by MAO
Date Initials

G.S. 130A-335(a5) states the following:

When an applicant for a Construction Authorization, or an Improvement Permit and Construction Authorization together, submits a Construction Authorization, or an Improvement Permit and Construction Authorization application together, the permit fee charged by the local health department, the common form developed by the Department, and any necessary signed and sealed plans or evaluations conducted by a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Construction Authorization or Improvement Permit and Construction Authorization includes all of the required components. If the local health department determines that the Construction Authorization or Improvement Permit and Construction Authorization is incomplete, the local health department shall notify the applicant of the components needed to complete the Construction Authorization or Improvement Permit and Construction Authorization. The applicant may submit additional information to the local health department to cure the deficiencies in the Construction Authorization or Improvement Permit and Construction Authorization. The local health department shall make a final determination as to whether the Construction Authorization or Improvement Permit and Construction Authorization is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The applicant may apply for the building permit for the project upon the decision of completeness of the Construction Authorization or Improvement Permit and Construction Authorization by the local health department or if the local health department fails to act within five business days. The Authorized On-Site Wastewater Evaluator or licensed engineer submitting the evaluation pursuant to this subsection may request that the local health department revoke or suspend the Construction Authorization or Improvement Permit and Construction Authorization for cause. Upon written request of the Authorized On-Site Wastewater Evaluator or licensed engineer, the local health department shall suspend or revoke the Construction Authorization or Improvement Permit and Construction Authorization pursuant to G.S. 130A-23. The Department shall develop a common form for use as the Construction Authorization.

The review for completeness of this Construction Authorization was conducted in accordance with G.S. 130A-335(a5). This

Construction Authorization is determined to be:

Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

Copies of this were sent to the AOWE/PE and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

Complete

State Authorized Agent: Malcolm REHS Date of Issuance: 7-17-24

This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by 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.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: 12-31-25

See attached site sketch

Adams Soil Consulting, PLLC
1676 Mitchell Road
Angier, NC 27501
919-414-6761
alexadams@bcsoil.com

July 8, 2024
Project #1623

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335 (a2), (a5), and (a6)"

RE: Wellers Knoll - Lot #55 (65 Wild Turkey Way) Subdivision NC (Harnett County)
for Davidson Homes

To whom it may concern:

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, 15ANCAC 18E. From this evaluation, ASC is providing the attached 360 gallon/day septic design.

The suitable soils found on the subject property were relatively consistent in the initial and repair areas. The area designated for the initial/primary septic system (see attached septic plan) was found to contain soils with greater than 24 inches in depth before a restrictive horizon was encountered.

Please find the attached wastewater soil/site evaluation forms for specific soil properties found in the initial and repair areas as well as assigned soil long term acceptance rate (LTAR). Numerous soil borings were made throughout the property and representative soil profile descriptions for the primary septic field and repair area are provided. A location sketch for profile descriptions is also attached. The initial and primary septic fields were sized based on a flow rate of 360 gallons/day and utilizing Accepted Status. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

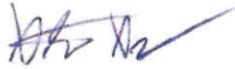
The septic installer contractor shall install the primary and repair (if needed) system on contour, see attached site plan for the primary system and repair locations. No underground utilities, water lines, or sprinkler systems shall be

placed into the initial or repair septic areas. Installation must meet all state and Harnett County regulations for septic system installation. The trenches must be installed in the same location as the site plan. If the installation is in question at the time of installation call me (Alex Adams) at 919-414-6761.

This report discusses the location of provisionally suitable soils identified on the property and does not guarantee the future function of any waste water disposal system installed.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime.

Sincerely,



Alex Adams
NC Licensed Soil Scientist #1247
AOWE Certification: 10021E



Wellors Knoll Lot 55 3 Bedroom Harnett County

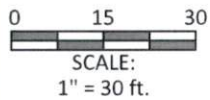
*House footprint to be field staked by surveyor and system verified prior to any construction

**Septic area must not be altered by construction activities.

***No cuts of 2' or greater within 15' of septic area

**** Recommend protective barrier around septic field during construction.

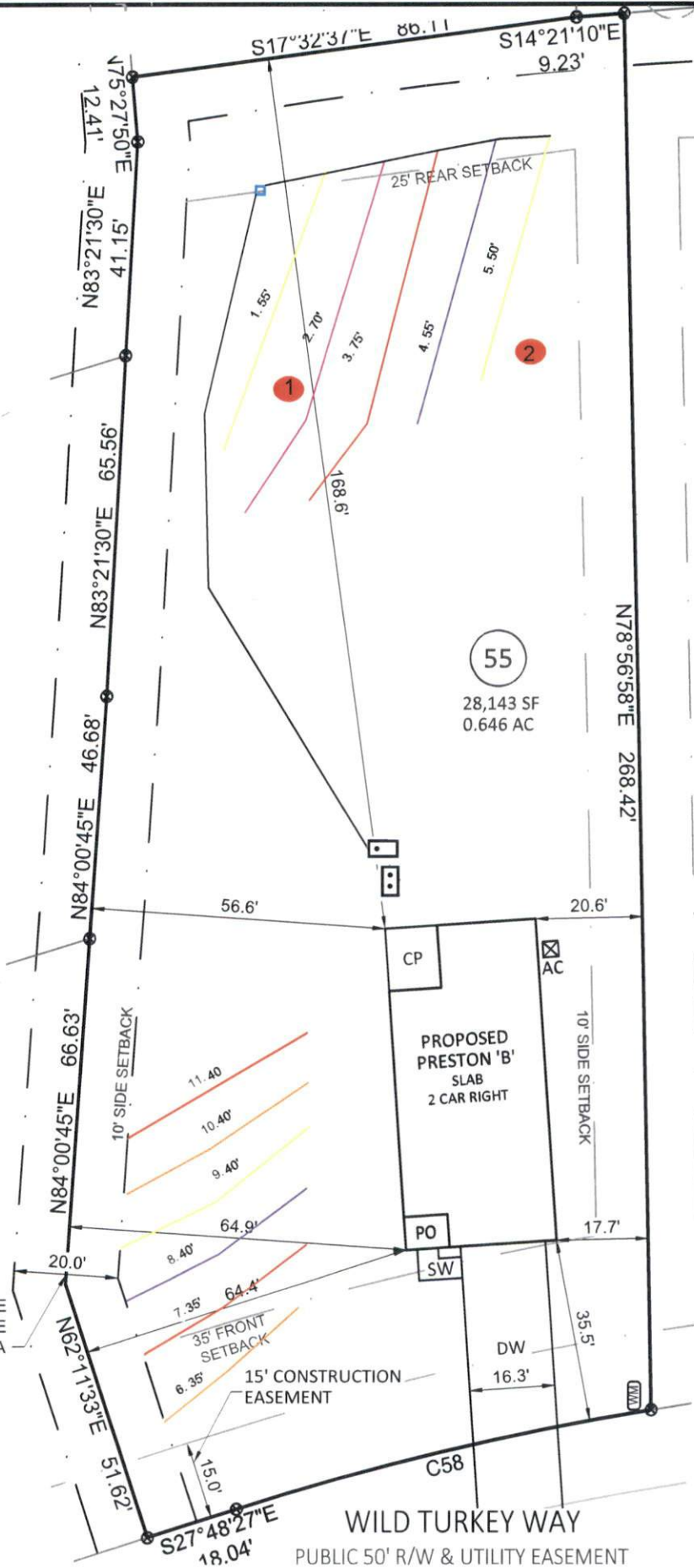
*If plumbing is not sufficient a pump tank will be required to septic field.



INITIAL:
Lines 1-5 (305')
Accepted Status
Pressure Manitee
REPAIR:
Lines 6-11 (235')
PPBPS
Pressure Manifold

Adams
Soil Consulting
919-414-6761

20' PUBLIC DRAINAGE
EASEMENT TO BE
MAINTAINED BY HOA



WILD TURKEY WAY
PUBLIC 50' R/W & UTILITY EASEMENT

Wellors Knoll Lot 55 3 Bedroom Harnett County

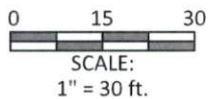
*House footprint to be field staked by surveyor and system verified prior to any construction

**Septic area must not be altered by construction activities.

***No cuts of 2' or greater within 15' of septic area

**** Recommend protective barrier around septic field during construction.

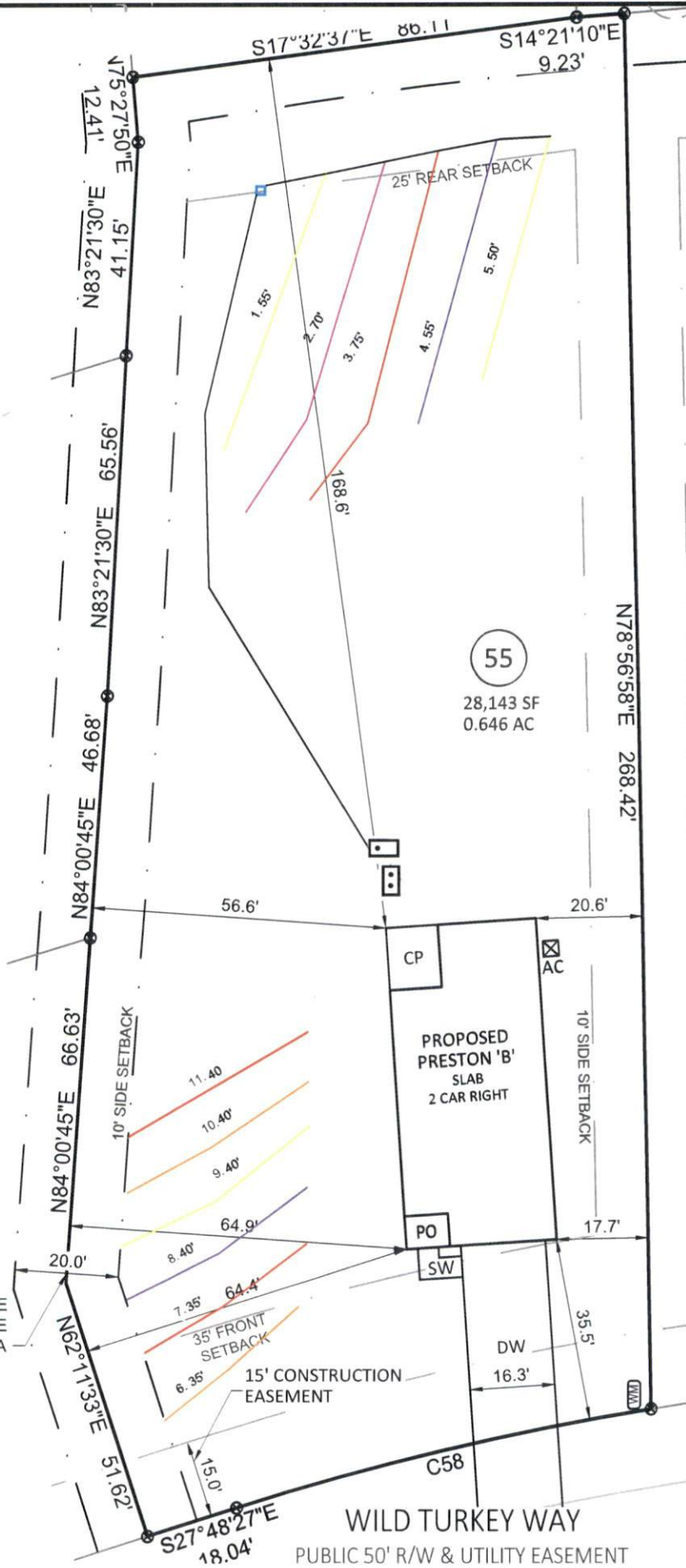
*If plumbing is not sufficient a pump tank will be required to septic field.



INITIAL:
Lines 1-5 (305')
Accepted Status
Pressure Manitee
REPAIR:
Lines 6-11 (235')
PPBPS
Pressure Manifold

Adams
Soil Consulting
919-414-6761

20' PUBLIC DRAINAGE
EASEMENT TO BE
MAINTAINED BY HOA



WILD TURKEY WAY
PUBLIC 50' R/W & UTILITY EASEMENT

SOIL/SITE EVALUATION
 for ON-SITE WASTEWATER SYSTEM
 (Complete all fields in full)

OWNER: Davidson Homes
 ADDRESS:
 PROPOSED FACILITY: Single Family, 3-bedroom PROPOSED DESIGN FLOW (.1949): 360gpd
 LOCATION OF SITE: 65 Wild Turkey Way. Lillington NC 27546
 WATER SUPPLY: Public Water
 EVALUATION METHOD: Auger Boring

APPLICATION DATE:
 DATE EVALUATED: 7/3/2024
 PROPERTY SIZE: .65 Acres

TYPE OF WASTEWATER: Sewage

P R O F I L E #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	Linear Slope/2%	0-10	GR/LS	VFR/SEXP/NS	28"	28"	N.O	N.O	U/PS/.35
		10-28	GR/SCL	FR/SEXP/NS					
2	Linear Slope/2%	0-6	GR/LS	VFR/SEXP/NS	24"	24"	N.O	N.O	U/PS/.35
		6-24	GR/SCL	FR/SEXP/NS					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):
Available Space (.1945)	S	S	SITE CLASSIFICATION (.1948): U/PS
System Type(s)	Type III B	Type III B	EVALUATED BY: A. Adams
Site LTAR	0.35	0.35	OTHER(S) PRESENT:

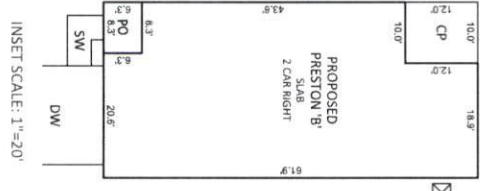
COMMENTS: _____

CURVE TABLE			
CURVE	RADIUS	LENGTH	CHORD DIRECTION
C58	550.00'	82.08'	N23°31'56"W - 82.01'

LOT INFORMATION:

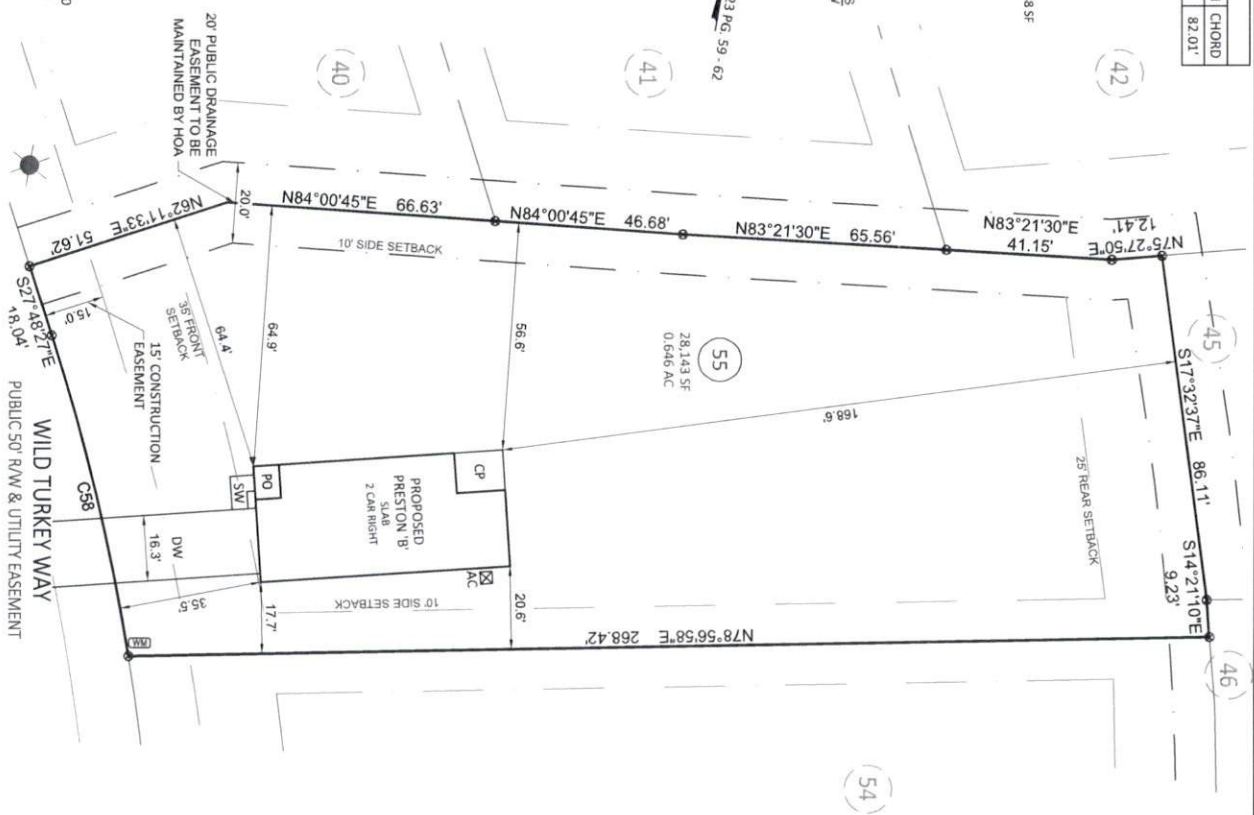
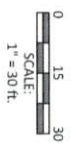
PIN: 0529-88-7003.000
 REFERENCE: 08 4183, PGs. 652-657
 TOTAL LOT AREA = 10,659 AC = 271,838 SF
 HOUSE = 2,187 SF
 DRIVEWAY = 41 SF
 SIDEWALK = 41 SF
 DRIVEWAY PATIO = 120 SF
 COVERED PATIO = 120 SF
 AC PAD = 9 SF
 PROPOSED IMPERVIOUS = 2,381 SF
 PERCENT IMPERVIOUS = 8.55%
 MAXIMUM IMPERVIOUS = 7,000 SF

BUILDING SETBACKS
 FRONT - 35' FROM ROW
 REAR - 25'
 SIDE - 10'
 SIDE CORNER - 20'



NOTES:

- THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
- THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
- PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
- THIS MAP IS NOT FOR RECORDDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
- THE BASIS OF NORTH AND ALL EASEMENTS, RIGHTS-OF-WAYS, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN THIS BLOCK.
- NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM.
- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
- FEMA FLOOD HAZARD STATEMENT: LOTS SHOWN ON THIS PLAT ARE NOT LOCATED WITHIN THE FEMA FLOOD HAZARD "ZONE AE" AS SHOWN ON FEMA MAP NO. 37200640001 & 37200548001 EFFECTIVE DATE 10/3/2006.
- ZONING: RA 30
- PROPERTY OWNER: DAVIDSON HOMES, 1903 NORTH HARRISON AVENUE, CARY, NC 27513



Bateman Civil Survey Company
 Engineers • Surveyors • Planners
 2524 Wallace Avenue, Apex, NC 27539 | Ph: 919.877.1080 | Fax: 919.877.1081
 www.batemancivilsurvey.com | info@batemancivilsurvey.com
 NCELS Firm No. C2378

VICINITY MAP



LEGEND

- PO = COVERED FRONT PORCH
- DRAWN UNDER W/ DIRECT SUPERVISION FROM A SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK SP = SCREENED PORCH/PATIO)
- CP = COVERED REAR PATIO
- WD = WOOD DECK
- WD = WOOD DECK
- DR = DRIVEWAY
- P = CONC PATIO
- COM = COMPUTED POINT
- X = MAGN. FOUND
- = IRON PIPE SET
- = DRILL HOLE FOUND
- = WATER METER
- CO = CLEAN OUT
- = CLIR CONDITIONER
- = SEWER SHED
- = ELECTRIC BOX
- = CABLE BOX
- = TELEPHONE PEDISTAL
- CB = CATCH BASIN
- IC = IRRIGATION CONTROLLER
- ☼ = LIGHT POLE
- ☼ = UTILITY POLE
- ☼ = FIRE HYDRANT
- DI = DRAIN INLET
- WV = WATER VALVE
- YI = YIELD SIGN
- G = GAS METER
- E = ELECTRIC METERS

BUILDER TO VERIFY HOUSE LOCATION DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN

PRELIMINARY PLOT PLAN

FOR DAVIDSON HOMES
 WELLERS KNOLL - LOT 55
 UPPER LITTLE RIVER TOWNSHIP, HARRETT COUNTY

DATE: 6/20/24 DRAWN BY: MJA CHECKED BY: SPC
 REFERENCE: RA 3073 PG 344P R/CSA 2006K1 SCALE: 1" = 30'

PRELIMINARY

This map is of an existing parcel of land and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.