

Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: K+D Builders Inc of STEAMON PROPERTY LOCATION: 51532 Langdon RD SUBDIVISION _____ LOT # 1

NEW REPAIR EXPANSION Site Improvements required prior to Construction Authorization Issuance: _____

Type of Structure: SFD

Proposed Wastewater System Type: 25% REDUCTION

Projected Daily Flow: 480 GPD

Number of bedrooms: 4 Number of Occupants: 8 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 No expiration

Permit conditions: _____

Authorized State Agent: James E. Manhart JR P.E. Date: 7-21-21 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: K+D Builders Inc of STEAMON PROPERTY LOCATION: 51532 Langdon RD SUBDIVISION _____ LOT # 1

Facility Type: SFD New Expansion Repair

Basement? Yes No Basement Fixtures? Yes No

Type of Wastewater System** 25% REDUCTION System (Initial) Wastewater Flow: 480 GPD

(See note below, if applicable low Profile Chamber At Grade (Repair))

Installation Requirements/Conditions

Septic Tank Size 1200 gallons

Pump Tank Size 1200 gallons

Number of trenches 2

Exact length of each trench 200 feet

Trenches shall be installed on contour at a Maximum Trench Depth of: 18" max inches (Trench bottoms shall be level to +/- 1/4" in all directions)

Trench Spacing: 9 Feet on Center

Soil Cover: 6 inches (Maximum soil cover shall not exceed 36" above the trench bottom)

Pump Requirements: _____ ft. TDH vs. _____ GPM

Aggregate Depth: 6 inches below pipe
2 inches above pipe
12 inches total

Conditions: _____

**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. Manhart JR P.E. Date: 7-21-21

Construction Authorization Expiration Date: 7-21-26

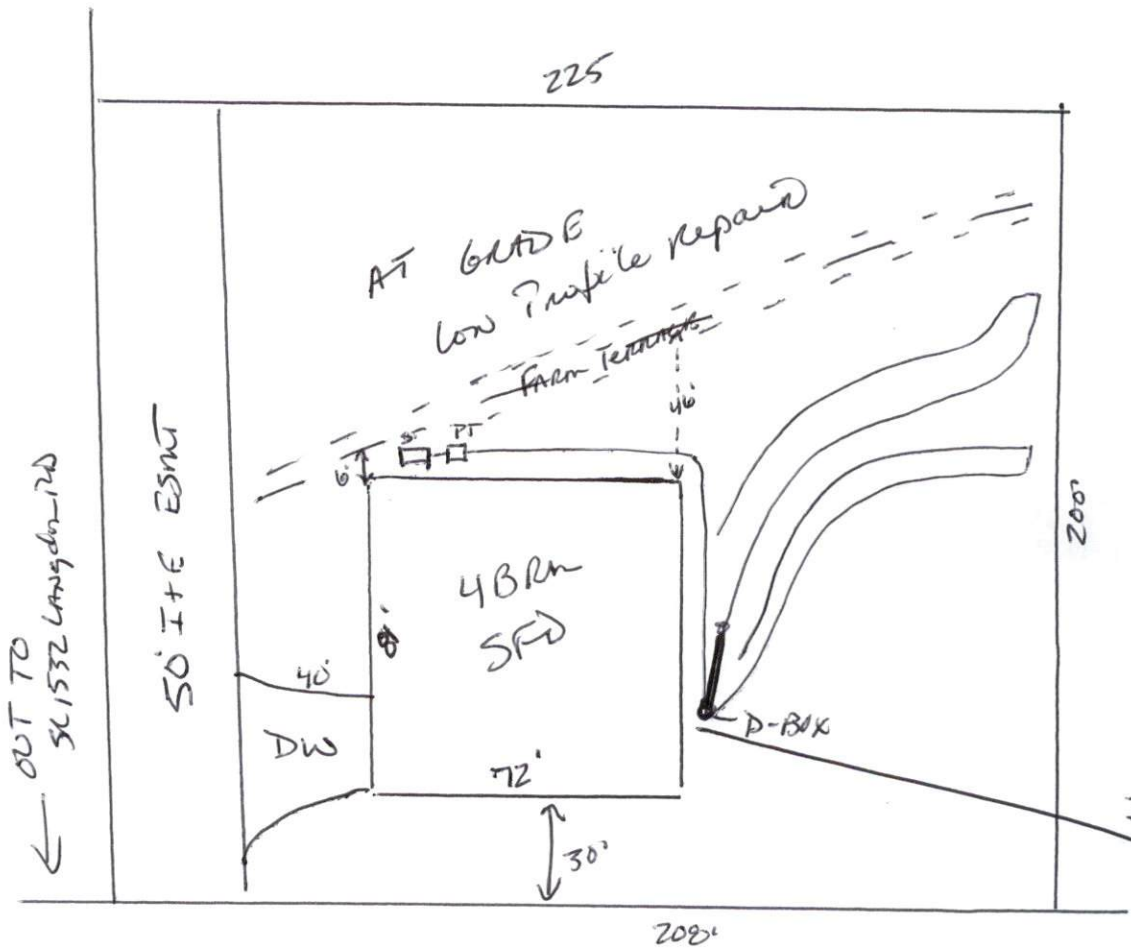
Application # SS 2107-0033

Harnett County Department of Public Health Site Sketch

Property Location: SL1532 Langdon RD

Issued To: KTD Buckleups Inc of STEMMAN Subdivision _____ Lot # 1

Authorized State Agent: James E. Manhart ¹²⁵⁴¹⁵ Date: 7-21-21

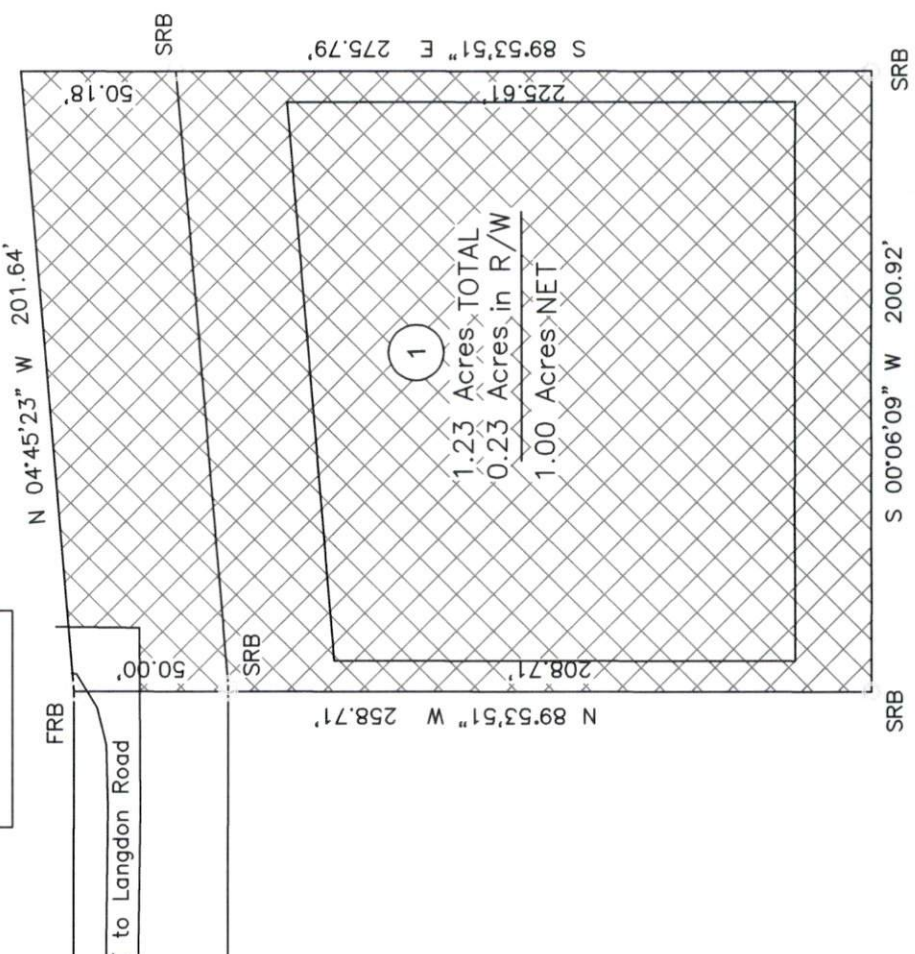


This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.

IF PLUMBER IS STUBBED OUT HIGH ENOUGH FOR 18" DITCH PUMP CAN BE AVOIDED

Preliminary Soil Evaluation Ronnie Tart ~1.23 acre Lot- Langdon Road Harnett County

*Not a Survey
(sketched from preliminary proposal)

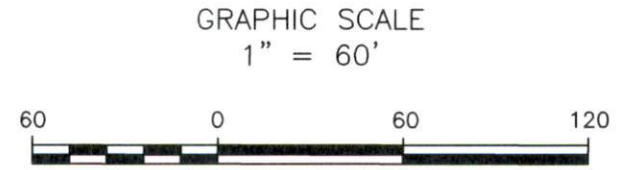


Legend

Areas contain soils with 30 inches or more of useable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems. There may be inclusion of soils 24-29 inches to a restrictive horizon that will have potential for LPP septic systems.



*Preliminary Soils Evaluation
 *Soil boundary was sketched onto a preliminary map of the property supplied by the client's surveyor.
 *Not a Survey.
 *Septic system setbacks listed below for new lots.
 1) 10' from property lines.
 2) 100' from wells for primary systems.
 3) 50' from surface waters (streams, ponds, lakes).
 *Any mechanical disturbances such as grading, cutting and filling of the suitable soil areas can render areas unsuitable for future septic systems.
 *See accompanying report for additional information.
 *Due to Soil Variability, Adams soil consulting cannot guarantee that the areas shown as suitable will be permitted by the local Health Department.



Adams
Soil Consulting
919-414-6761
Project #1168

Adams Soil Consulting
1676 Mitchell Road
Angier, NC 27501
919-414-6761

May 5, 2021
Project #1168

Ronnie Tart
2721 Langdon Road
Angier, NC 27501

RE: Preliminary Soil/Site evaluation for lot #1 adjacent to 2721 Langdon Road in Harnett County for Elaine Maynard.

Mr. Walker,

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 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems". The suitable soil boundary was sketched onto a preliminary plat supplied by J. Scott Walker, PLS.

At the time of the evaluation the lot was vacant in an agricultural (pasture) field. The lot contained soils similar to the Dothan soil series and was found to be provisionally suitable throughout the lot. The lot was found to contain greater than 30,000 ft² of provisionally suitable soils. The suitable soils shown on the accompanying soil map are suitable for a conventional, modified conventional, or ultra-shallow conventional type initial and repair septic system. The soils that consisted of a sandy clay loam or clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft². The lot should accommodate a home foot print of at least 60' x 60'.

The residual parcel is greater than 10 acres and was not evaluated as part of this soil investigation.

The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits related to the septic system. A septic system design may be required before a permit can be issued on the above referenced lot demonstrating available space for the initial and repair septic areas. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, Adams Soil Consulting cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency. The lot may require a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, and/or reductions system for final approval. The accompanying soil map is preliminary in nature, no further assumptions or subdivision should be made without a more detailed evaluation.

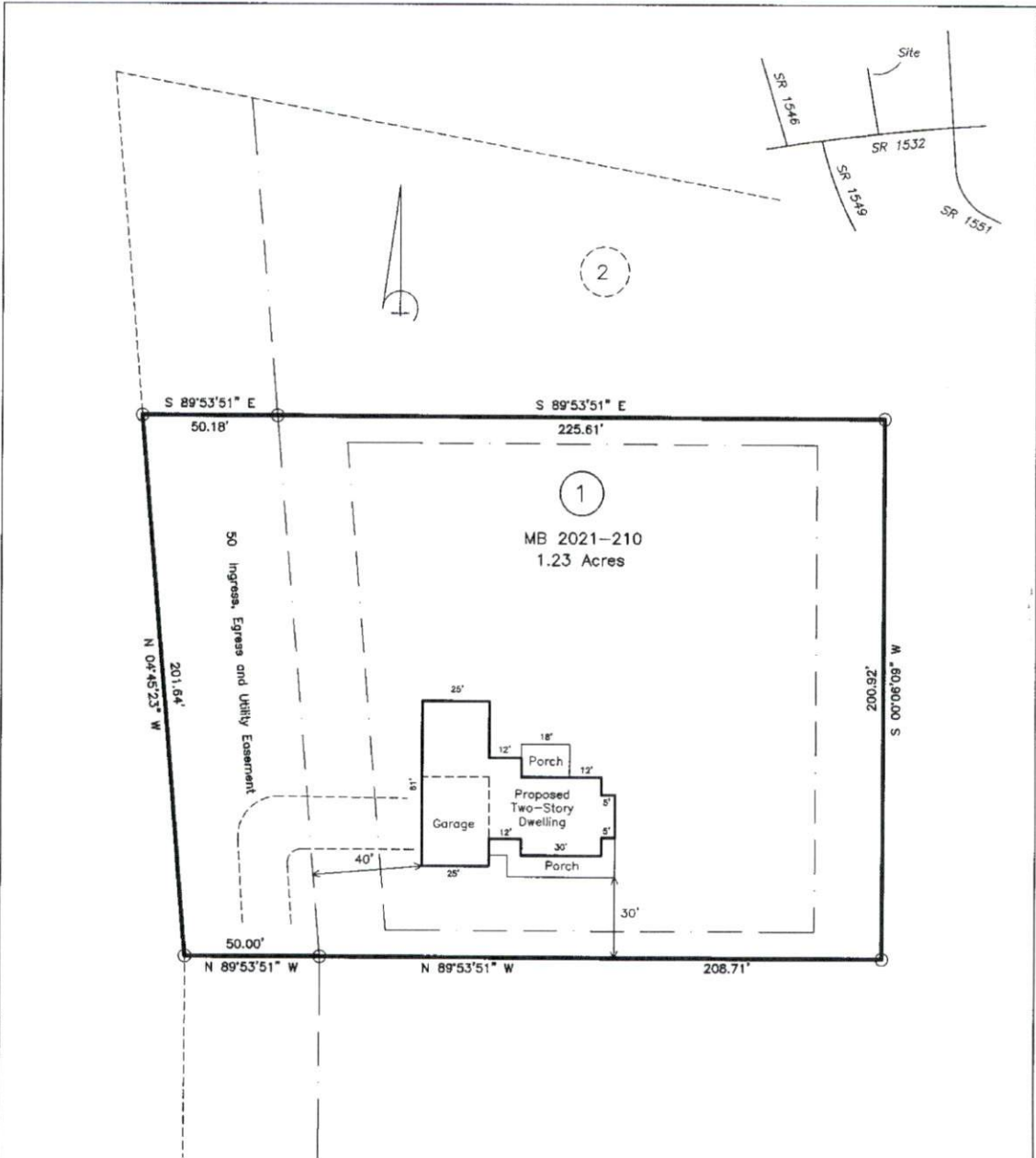
If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime. Thank you allowing me to perform this site evaluation for you.

Sincerely,



Alex Adams
NC Licensed Soil Scientist #1247





Plot Plan for :
K & D Builders of Stedman
 Proposed Residence of :
Shelby N. Tart
 and,
Kendall J. Tart
 Grove Township
 Harnett County North Carolina

Scale:
 1" = 50'

June 28, 2021

Property Address
 2723 Langdon Road
 Angier, N.C. 27501

PIN- 1602-08-2026.000
 PID- 070692 0059 07

I, William B. Snively, certify that this map was drawn by me from an actual field survey made by me, that the ratio of precision as calculated by computer exceeds 1: 10000. This map does not conform to GS 47-30 as amended and is not intended for recordation nor should a copy of this map be attached to a deed as an exhibit to be recorded per GS 89C-28.



William B. Snively
 William B. Snively & Associates, PLLC - Surveyors
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 Wade, North Carolina 28395
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