

HTE# 05-5-112692

Harnett County Department of Public Health Improvement Permit

27944

A building permit cannot be issued with only an Improvement Permit

ISSUED TO: STATEMENT CUSTOM HOMES PROPERTY LOCATION: WADE STEPHENSON RD
 NEW REPAIR EXPANSION SUBDIVISION: FIELDSTONE FARMS LOT # 2
 Type of Structure: SFO (72x66') Site Improvements required prior to Construction Authorization Issuance:
 Proposed Wastewater System Type: PUMP TO 25% REDUCTION (PRESSURE MANIFOLD)
 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 100 feet Permit valid for: Five years
 Permit conditions: No expiration

Authorized State Agent: [Signature] Date: 6/13/14 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: STATEMENT CUSTOM HOMES PROPERTY LOCATION: WADE STEPHENSON RD
 SUBDIVISION: FIELDSTONE FARMS LOT # 2
 Facility Type: SFO (72x66') New Expansion Repair
 Basement? Yes No Basement Fixtures? Yes No
 Type of Wastewater System** 25% REDUCTION (PRESSURE MANIFOLD) (Initial) Wastewater Flow: 480 GPD
 (See note below, if applicable) LPP (Repair)

Installation Requirements/Conditions

Septic Tank Size <u>1000</u> gallons	Number of trenches <u>6</u>	Exact length of each trench <u>VARIES</u> feet	Trench Spacing: <u>9</u> Feet on Center
Pump Tank Size _____ gallons	Trenches shall be installed on contour at a	Maximum Trench Depth of: <u>12</u> inches	Soil Cover: <u>6</u> inches
	(Trench bottoms shall be level to +/-1/4" in all directions)	(Maximum soil cover shall not exceed 36" above the trench bottom)	

Pump Requirements: _____ ft. TDH vs. _____ GPM _____ inches below pipe
 Aggregate Depth: _____ inches above pipe
 Conditions: SEE ATTACHED SHEETS (3) FOR SITE PLAN, SYSTEM LAYOUT, AND SYSTEM SPECIFICATIONS _____ inches total

**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: [Signature] Date: 6/13/14
 Construction Authorization Expiration Date: 6/13/19

FIELDSTONE LOT 2

Project No. 7513.S1

LAYOUT FOR 3 BEDROOM HOME

April 1, 2005

<u>LINE #</u>	<u>FLAG COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u>	<u>DESIGN LINE LENGTH</u>
TBM		3.2			100.00		
INSTR. 1			103.20				
*1A	PINK	WRAP	AROUND	2.80	100.40	33	30
*1B	RED	WRAP	AROUND	3.10	100.10	51	50
*2	BLUE			3.60	99.60	65	65
*3	YELLOW			3.90	99.30	81	80
*4	PINK			4.20	99.00	85	85
*5	BLUE			4.70	98.50	70	70
*6	RED			5.20	98.00	50	50
		5.8					
1	PINK			2.00	101.20	55	53
2	RED			2.30	100.90	66	63
3	BLUE			2.70	100.50	70	64
4	YELLOW			3.00	100.20	72	69
5	ORANGE			3.20	100.00	72	72
6	PINK			3.40	99.80	66	60
7	RED			3.50	99.70	60	60
8	BLUE			3.70	99.50	55	50
9	YELLOW			4.00	99.20	46	46
10	ORANGE			4.30	98.90	38	34
11	BLUE			4.50	98.70	33	29
					Total	1002	1030

	<u>LINE LENGTH</u>	<u>LTAR GPD/FT²</u>	<u>SYSTEM TYPE</u>	<u>SOIL LTAR GPD/FT²</u>	<u>INNOVATIVE SYSTEM</u>	<u>DISTRIBUTION</u>
* System	430'	0.31	CONV.	0.31	GRAVEL	Pressure Manifold
Repair	600'	0.12	Innov.	0.12	GRAVEL	LOW PRESSURE PIPE

- Notes:**
- ** TBM1 BASE OF CORNER POST/TBM2 EDGE OF ROAD
 - **TBM is assumed to be 100'.
 - **All measures in feet.
 - **Nitrification lines are demonstrated on contour via colored pin flags.
 - **BS, HI, and FS indicate rod readings.

**FIELDSTONE LOT 2
SYSTEM**

<u>Line #</u>	<u>Color</u>	<u>Elevation</u>	<u>Length</u>	<u>Hole Size</u>	<u>Flow/Tap</u>	<u>gpd</u>	<u>Trench Area</u>	<u>Line LTAR</u>
1A/1B	PINK/RED	2.8 & 3.1	80	SCH 80 3/4	10.1	72.72	240	0.30
2	BLUE	3.6	65	SCH 40 1/2	7.11	51.19	195	0.26
3	YELLOW	3.9	80	SCH 80 3/4	10.1	72.72	240	0.30
4	PINK	4.2	85	SCH 80 3/4	10.1	72.72	255	0.29
5	BLUE	4.7	70	SCH 40 1/2	7.11	51.19	210	0.24
6	RED	5.2	50	SCH 80 1/2	5.48	39.46	150	0.26

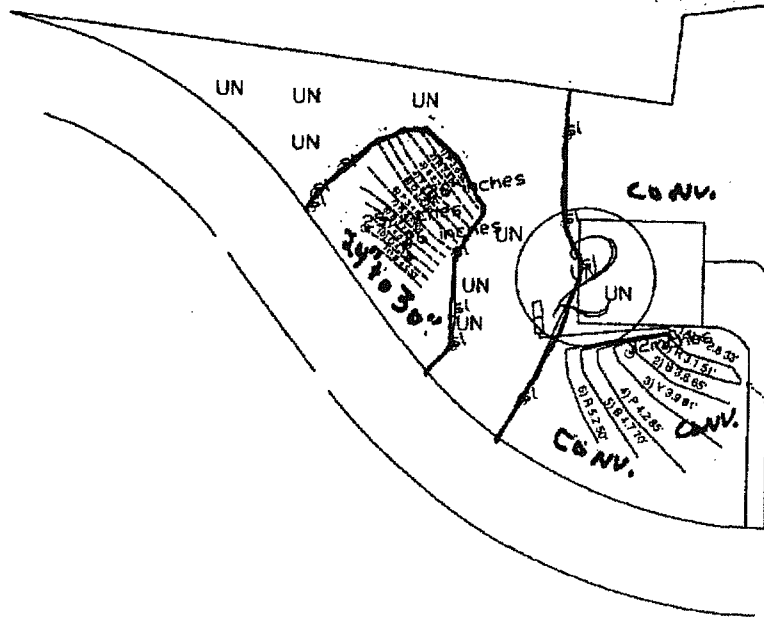
total feet = 430 gal/min = 50
 Des. Flow 360
 Pump Run= 7.20
 soil LTAR 0.31

100% Dose Volume 279.83
 Percent Dose Volume 80%
 Total 223.86
 Pump Run Time 4.48

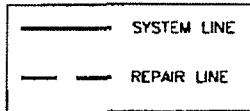
LAYOUT FOR A THREE BEDROOM PRESSURE MANIFOLD SYSTEM (LINES 1A,1B,2,3,4,5,6) L1AR 0.30-0.35 GRAVEL
 LAYOUT FOR A THREE BEDROOM LOW PRESSURE PIPE REPAIR (LINES 1,2,3,4,5,6,7,8,9,10,11,12) L1AR 0.12

SOILS MAP

CONV. - AREA CONTAINS 24" to 36" + SOILS
 24" to 30" - SOILS HAVE 24" to 30" INCHES OF USABLE MATERIAL
 UN - UNSUITABLE



LINES 1A AND 1B WILL BE WRAPPED TOGETHER TO FORM AN 80 FOOTER



PROJECT NO. 7513.51	SCALE 1" = 50'	SHEET TITLE: LOT 2 SEPTIC SYSTEM LAYOUT
PROJECT MGR MB	FIELD WORK JW	PROJECT NAME: LARRY FRANCIS FIELDSTONE LOT 2 HARNETT COUNTY, NORTH CAROLINA APRIL 2005
DRAWN BY JW		
\\SEC\BCE\KLE\S17513\51\LOT 2.DWG		



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